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PREFACE.

THE object of the present Catalogue is to give a complete list of all the genera and species of Noctuidæ known to exist in the different collections. The letters *a*, *b*, *c*, &c., after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the mode in which each of them was obtained, and the absence of these *letters* indicates the species which are desiderata, and therefore desirable to be procured for the collection.

JOHN EDWARD GRAY.

British Museum,
July 7, 1857.


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CATALOGUE

OF

LEPIDOPTERA HETEROCERA.

THIRD SERIES.

Subdiv. 3. TRIFIDÆ MINORES.

A. Corpus crassum, aut vix gracile.
  A. Proboscis brevissima, aut brevis.
    Fam. 1. HEMEROSIDÆ, *Guen.*
  B. Proboscis mediocris. - - Fam. 2. ACONTIDÆ, *Guen.*
B. Corpus gracile.
  A. Palpi conspicui.
    a. Structura phalæniformis. Abdomen sæpe cristatum. Alæ anticæ areolatæ. - - Fam. 3. ERASTRIDÆ, *Guen.*
    b. Structura pyraliformis aut tortriciformis. Abdomen læve. Alæ anticæ non areolatæ. Fam. 4. ANTHOPHILIDÆ, *Guen.*
  B. Palpi subobsoleti. - - Fam. 5. PHALÆNOIDÆ, *Guen.*

The characters of the families are here sufficiently indicated, there being few, or none, which are common to all the genera in each family except those above-mentioned.

Fam. 1. HÆMEROSIDÆ.

Heliothidæ, p., *Boisd.*
Noctuo-Phalænidi, *Guen. Ann. Soc. Ent. Fr.* x. 220.
Hæmerosidæ, *Guen. Noct.* ii. 200.

A. Proboscis brevis.
  A. Palporum articulus 3us brevissimus.
    a. Palpi caput non superantes. - - 3. Eugoa, *Walk.*
    b. Palpi caput sat superantes. - - 4. Ariola, *Walk.*
  B. Palporum articulus 3us longus - - 5. Aphusia, *Walk.*
B. Proboscis brevissima.
  A. Palpi caput superantes.
    a. Palporum articulus 3us brevissimus. 1. Hæmerosia, *Boisd.*
    b. Palporum articulus 3us longiusculus. 2. Lepidomys, *Guen.*
  B. Palpi caput non superantes. - - 6. Derrima, *Walk.*
C. Proboscis obsoleta. - - - - 7. Gavara, *Walk.*

Genus 1. HÆMEROSIA.

Corpus gracile. Proboscis brevissima. Palpi validi, porrecti, caput sat superantes; articulus 3us minutus, conicus, brevissimus. Antennæ corporis dimidio non longiores. Abdomen alas posticas non superans. Pedes mediocriter validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ, late ciliatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore perparum obliquo. *Mas.*—Antennæ subpectinatæ.

Hæmerosia, *Boisd.*; *Guen. Ann. Soc. Ent. Fr.* x. 230; *Noct.* ii 200.
Synaphe, p., *Hübn. Verz. Schmett.* 347.

Body slender. Proboscis very short. Palpi stout, porrect; extending some distance beyond the head; third joint minute, conical, not more than one-sixth of the length of the second. Antennæ not more than half the length of the body. Abdomen not extending beyond the hind wings. Legs moderately stout; hind tibiæ with four long spurs. Wings rather broad, deeply ciliated. Fore wings straight in front, rounded at the tips, very slightly oblique along the exterior border. *Male.*—Antennæ slightly pectinated.

1. HÆMEROSIA RENALIS.

Cervina; alæ anticæ extus pallidiores, linea transversa media, obscuriore albo marginata, striga transversa discali alba.

Pyralis renalis, *Hübn. Eur. Schmett. Pyral.* f. 157.
Noctua renalis, *Hübn. Eur. Schmett. Noct.* f. 864, 865.
Synaphe renalis, *Hübn. Verz. Schmett.* 347, 2325.
Hæmerosia renifera, *Boisd. Ind. Méth.* 164, 1313.
Hæmerosia renigera, *Dup. Suppl.* iii. 570, pl. 47, f. 7.
Hæmerosia renalis, *Guen. Noct.* ii. 201, 965.

South France.

a—d. Europe. From M. Becker's collection.

Genus 2. LEPIDOMYS.

Corpus vix crassum. Frons fasciculata. Proboscis brevissima. Palpi longi, porrecti, caput longe superantes; articulus 3us lanceolatus, 2i dimidio vix brevior. Antennæ validæ, simplices. Abdomen alas posticas vix superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore subobliquo.

Lepidomys, *Guen. Noct.* ii. 201.

Body hardly stout. Head with a tuft in front. Proboscis very short. Palpi long, porrect, extending far beyond the head; third joint lanceolate, about half the length of the second. Antennæ stout, simple. Abdomen hardly extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings broad. Fore wings straight in front, angular at the tips, slightly oblique along the exterior border.

1. LEPIDOMYS IRRENOSA.

Cervina; alæ anticæ plaga basali strigisque duabus costalibus albis, linea exteriore transversa nigricante; posticæ flavescentes, margine latissimo cervino.

Lepidomys irrenosa, *Guen. Noct.* ii. 202, 966.

a. New York. Presented by E. Doubleday, Esq.

Genus 3. EUGOA.

Mas. Corpus robustum. Proboscis brevis. Palpi graciles, porrecti, caput non superantes; articulus 3us conicus, minimus. Antennæ graciles, subsetosæ, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes longiusculi, sat graciles; tibiæ posticæ calcaribus longis. Alæ longiusculæ, sat angustæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore mediocriter obliquo.

Male. Body stout. Proboscis short. Palpi slender, porrect, not extending beyond the head; third joint conical, very minute, not more than one-sixth of the length of the second. Antennæ slender, very minutely setose, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather long and slender; hind tibiæ with long slender spurs. Wings rather long and narrow. Fore wings straight in front, rounded at the tips, moderately oblique along the exterior border.

1. Eugoa æqualis.

Alba; caput purpureo biguttatum; thorax purpureo bifasciatus; abdomen flavescens; alæ anticæ lituris duabus basalibus nigris, fasciis duabus apud medium contractis lineaque submarginali fuscis, margine exteriore cinereo; posticæ flavescentes.

White. Head with two purple dots on the vertex. Thorax with two purple bands. Abdomen yellowish. Fore wings with two black marks at the base, and with two brown bands which are much contracted in the middle, their hind part diffuse; submarginal line brown, irregular; exterior border cinereous. Hind wings and legs yellowish. Length of the body 4 lines; of the wings 11 lines.

a. Borneo. From Mr. Wallace's collection.

Genus 4. ARIOLA.

Corpus vix robustum. Proboscis brevis. Palpi vix ascendentes, caput sat superantes; articulus 2us longus, apice dilatatus; 3us minimus. Antennæ validæ, simplices, corpore paullo breviores. Abdomen cylindricum, alas posticas paullo superans. Pedes sat validi; tibiæ posticæ calcaribus longissimis. Alæ sat angustæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore convexo perparum obliquo.

Body hardly stout. Proboscis short. Palpi very slightly ascending, extending some distance beyond the head; second joint long, dilated towards the tip; third very minute, not more than one-sixth of the length of the second. Antennæ stout, simple, three-fourths of the length of the body. Abdomen cylindrical, extending for one-fourth of its length beyond the hind wings. Legs rather stout; hind tibiæ with four very long spurs. Wings rather narrow. Fore wings straight in front, rounded at the tips, convex and very slightly oblique along the exterior border.

1. ARIOLA CŒLISIGNA.

Cinerea; caput, palpi et thorax anticus fusca; antennæ nigricantes; alæ anticæ virides, antice saturatiores, vitta media argentea, fascia marginali purpurea lineas marginalem et submarginalem atras includente, hac submaculari; posticæ nigro-cinereæ.

Cinereous. Head, palpi and fore part of the thorax brown. Antennæ blackish. Fore wings green, with a silvery white middle stripe, in front of which the green is much deeper than elsewhere; a bright purple marginal band including the deep black marginal and submarginal lines, the latter almost macular. Hind wings blackish cinereous. Length of the body 4—4½ lines; of the wings 9—10 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. Ceylon. From Mr. Cuming's collection.
c. Sarawak, Borneo. From Mr. Wallace's collection.

Genus 5. APHUSIA.

Mas. Corpus sat validum. Proboscis brevis. Palpi subdecumbentes, longiusculi, sat graciles, caput longe superantes; articulus 3us cylindricus, 2o vix brevior. Antennæ simplices, corporis dimidio valde longiores. Abdomen alas posticas perpaullo superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ anticæ sat angustæ, apud costam perparum convexæ, apice subrotundatæ, margine exteriore subobliquo.

Male. Body moderately stout. Proboscis short. Palpi rather long and slender, slightly decumbent, extending far beyond the head; third joint cylindrical, almost as long as the second. Antennæ simple, much more than half the length of the body. Abdo-

men extending very little beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Fore wings rather narrow, very slightly convex in front, slightly rounded at the tips, slightly oblique along the exterior border.

1. APHUSIA SPEIPLENA.

Alba; alæ anticæ læte virides, costa, vitta ciliisque albis; posticæ margine angusto fuscescente.

White. Fore wings bright grass-green, white along the costa, and with a white posterior stripe which does not extend to the exterior border; ciliæ white. Hind wings with slender brownish borders. Length of the body 4 lines; of the wings 10 lines.

a. Punjaub. Presented by General Hearsay.

Genus 6. DERRIMA.

Corpus sat robustum. Proboscis brevissima. Palpi breves, porrecti, caput non superantes; articulus 3us minutus, conicus. Antennæ simplices, corporis dimidio vix longiores. Abdomen alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longissimis. Alæ sat latæ, dense vestitæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Body moderately stout. Proboscis very short. Palpi short, porrect, not extending beyond the head; third joint minute, conical, not more than one-fourth of the length of the second. Antennæ simple, hardly more than half the length of the body. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with very long spurs. Wings moderately broad, thickly clothed. Fore wings straight in front, rounded at the tips, rather oblique along the exterior border.

1. DERRIMA STELLATA.

Rosea; alæ anticæ disco luteo guttis albis oblique marginato, maculis duabus discalibus albis nigro marginatis, ciliis subpurpureis; posticæ basi testaceæ.

Rosy. Fore wings with a luteous disk, which contains two white black-bordered spots, and is obliquely bounded towards the exterior border by a row of white dots; ciliæ purplish. Hind wings

testaceous towards the base. Length of the body 4 lines; of the wings 12 lines.

a. United States. Presented by E. Doubleday, Esq.

Genus 7. GAVARA.

Corpus sat robustum, dense vestitum. Proboscis obsoleta. Palpi ascendentes, longiusculi; articulus 3us lanceolatus, 2i dimidio non brevior. Antennæ validæ, simplices, corporis dimidio valde longiores. Abdomen alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ dense vestitæ, apud costam subrectæ, apice rotundatæ, margine exteriore subobliquo.

Body moderately stout, thickly clothed. Proboscis obsolete. Palpi ascending, moderately long; third joint lanceolate, about half the length of the second. Antennæ stout, simple, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings rather broad. Fore wings thickly clothed, almost straight in front, rounded at the tips, slightly oblique along the exterior border.

1. GAVARA VELUTINA.

Fulva, ex parte testacea; alæ anticæ lanuginosæ, margine exteriore pallide testaceo, fasciis tribus latis nitentibus pallide purpureis; posticæ nitentes, margine pallidiore.

Tawny, partly testaceous. Fore wings somewhat lanuginous, pale testaceous along the exterior border, with three broad irregular shining pale purplish bands. Hind wings shining, paler about the borders. Length of the body 3 lines; of the wings 8 lines.

a. Port Natal. From M. Gueinzius' collection.

Fam. 2. ACONTIDÆ.

Acontidi, *Boisd.*; *Guen. Ann. Soc. Ent. Fr.* x. 219.
Acontidæ, *Guen. Noct.* ii. 203.

A. Alæ non dense squamosæ.
A. Palporum articulus 2us 3o quadruplo longior.
a. Tibiæ posticæ non fasciculatæ.
a. Alæ anticæ apice angulatæ.

i. Palpi caput vix superantes. - 6. Euphasia, *Steph.*
ii. Palpi caput sat superantes. - 8. Nipista, *Walk.*
b. Alæ anticæ apice rotundatæ.
i. Antennæ *maris* simplices.
* Abdomen *maris* apice subcompressum.
3. Eugraphia, *Guen.*
** Abdomen *maris* non compressum.
7. Acontia, *Ochs.*
ii. Antennæ *maris* pectinatæ. - 9. Caularis, *Walk.*
B. Tibiæ posticæ fasciculatæ. - - 10. Dacira, *Walk.*
B. Palporum articulus 3us 2i triente non brevior.
a. Frons fasciculata. - - - 2. Metoponia, *Dup.*
b. Frons non fasciculata. - - 1. Agrophila, *Guen.*
c. Palporum articulus 3us 2i dimidio longior.
4. Xanthodes, *Guen.*
B. Alæ dense squamosæ. - - - 5. Leocyma, *Guen.*

Genus 1. AGROPHILA.

Corpus vix robustum. Proboscis breviuscula. Palpi porrecti, caput paullo superantes; articulus 3us lanceolatus, 2i triente non brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes sat validi; tibiæ posticæ calcaribus longissimis. Alæ latiusculæ; anticæ apud costam subrectæ, apice rotundatæ, margine exteriore subobliquo.

Agrophila, *Guen. Ann. Soc. Ent. Fr.* x. 228; *Noct.* ii. 204.
Phytometra, p., *Haw.*
Erastria, p., *Treit.; Steph.; Curt.*
Emmelia, p., *Hübn. Verz. Schmett.* 254.
Agrophila, p., *Boisd.*

Body hardly stout. Proboscis rather short. Palpi porrect, extending a little beyond the head; third joint lanceolate, about one-third of the length of the second. Antennæ simple, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs moderately stout; hind tibiæ with four very long spurs. Wings rather broad. Fore wings nearly straight in front, rounded at the tips, slightly oblique along the exterior border.

Europe.

1. Agrophila sulphuralis.

Nigro-fusca; caput antice thoracisque latera albo-flava; abdomen cinereum; alæ anticæ vitta costali excavata maculasque includente, vitta postica fasciisque duabus exterioribus albo-flavis; posticæ fusco-cinereæ, ciliis albidis.

——— ———, *Geoffr. Ins. Par.* ii. 184. *Engr. Pap. d'Eur.* 598, a, b. *Schæff. Icon.* i. pl 9, f. 14, 15.

Phalæna-Pyralis sulphuralis, *Bergstr. Ins. Suec.* i. 16. *Gmel. ed. Syst. Nat.* i. 5, 2521, 333. *Fuessl. Ins.* 812.

Noctua sulphurea, *Wien. Verz.* 93, 6. *Esp. Schmett.* iv. pl. 164, f. 6. *Bork. Eur. Schmett.* iv. 806, 372. *Hübn. Eur. Schmett. Noct.* pl. 60, f. 291. *Dup. Hist. Nat. Lép. Fr.* vii. 459, pl. 123, f. 3.

Bombyx lugubris, *Fabr. Ent. Syst.* iii. 1, 467, 188. *Donov. Brit. Ins.* x. pl. 339.

Pyralis trabealis, *Scop. Ent. Carn.* 610. *Vill. Ent.* 807.

Noctua trabeata, *Scriba, Beitr.* pl. 10, f. 8.

Noctua arabica, *Berl. Mag.* iii. 412. *Bork. Eur. Schmett.* 807, 373.

Emmelia sulphurea, *Hübn. Verz. Schmett.* 254, 2509.

Erastria sulphurea, *Treit. Schmett.* v. 251, 1.

Erastria sulphuralis, *Steph. Ill. Brit. Ent.* iii. 117.

Phytometra sulphurea, *Haw. Lep. Brit.* 262.

Anthophila sulphurea, *Meig. Handb.* 184, 98, pl. 13, f. 11; *Syst. Besch.* iii. 242, 9, pl. 120, f. 1.

Agrophila sulphurea, *Boisd. Ind. Méth.* 175, 1400.

Agrophila sulphuralis, *Guen. Noct.* ii. 206, 971.

a—h. England. From Mr. Stephens' collection.

i—l. England.

m, n. Europe. From M. Becker's collection.

North America.

2. Agrophila Leo.

Cinereo-plumbea; prothorax et tegulæ fulva; abdomen subtus sulphureum, apice fulvum; alæ anticæ ochraceæ, basi costaque sulphureis, maculis quatuor ciliisque nigro-plumbeis, his apud angulum internum fulvis; posticæ nigro-cinereæ.

Agrophila Leo, *Guen. Noct.* i. 205, 968.

North America.

3. AGROPHILA DAMA.

Fulva; tegulæ cinereo maculatæ; alæ anticæ ochraceæ, maculis tribus albo-flavis, fasciis tribus nigro-plumbeis; posticæ nigro-cinereæ.

Agrophila Dama, *Guen. Noct.* ii. 205, 969.

North America.

4. AGROPHILA ONAGRUS.

Crocea; thoracis discus cupreo-niger; abdomen cinereum; alæ anticæ cupreo-nigræ, costa strigaque postica albidis, fasciis duabus exterioribus antice connexis croceis, maculis costalibus nigro-cupreis; posticæ fusco-cupreæ.

Agrophila Onagrus, *Guen. Noct.* ii. 205, 970.

a. United States. Presented by E. Doubleday, Esq.

South America

5. AGROPHILA LEPUS.

Fusca; thorax flavo-varius; alæ anticæ nebulis maculis duabus costalibus ciliisque anticis flavis, his nigro unimaculatis; posticæ nigro-cinereæ, apud discum pallidiores.

Agrophila Lepus, *Guen. Noct.* ii. 204, 967.

Brazil.

6. AGROPHILA ZEBRA.

Purpurea; thoracis latera alba; abdomen albido fasciatum; alæ anticæ fasciis tribus albidis, 1a 2aque interruptis, 3a annulum fusiformem incompletum fingente, linea submarginali albida; posticæ ochraceæ, purpureo marginatæ.

Purple. Thorax white along each side. Abdomen with whitish bands. Fore wings with three whitish bands, of which the first and the second are interrupted, and the third forms an incomplete fusiform ringlet, of which the fore end joins the second band, and the hind end is dilated; submarginal line whitish. Hind wings bright orange, with narrow purple borders. Length of the body 3 lines; of the wings 8 lines.

a. Valley of the Amazon. From Mr. Bates' collection.

Genus 2. METOPONIA.*

Corpus sat gracile. Frons fasciculata. Proboscis mediocriter longa. Palpi graciles, porrecti, caput paullo superantes; articulus 3us cylindricus, 2i triente non brevior. Antennæ simplices, corporis dimidio perparum longiores. Pedes sat graciles; tibiæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice acutæ, margine exteriore perparum convexo non obliquo. *Mas.*—Abdomen alas posticas perpaullo superans. *Fœm.*—Abdomen alas posticas non superans.

Metoponia, *Dup. Cat.*; *Guen. Noct.* ii. 206.
Anthophila, p., *Treit.*; *Boisd.*

Body rather slender. Head tufted in front. Proboscis moderately long. Palpi slender, porrect, extending a little beyond the head; third joint cylindrical, about one-third of the length of the second. Antennæ simple, very little more than half the length of the body. Legs rather slender; hind tibiæ with four long spurs. Wings rather broad. Fore wings straight in front, acute at the tips, very slightly convex, and not oblique along the exterior border. *Male.* — Abdomen extending very little beyond the hind wings. *Female.*—Abdomen not extending beyond the hind wings.

1. METOPONIA FLAVIDA.

Alba, testaceo subtincta; abdomen canescens; alæ anticæ gutta discali nigra; posticæ cinereæ, ciliis albis.

Noctua flava, *Hübn. Eur. Schmett. Noct.* f. 453.
Anthophila flavida, *Ochs. Schmett.* 81, 4. *Treit. Schmett.* v. 279. *Dup. Suppl.* iii. 537, pl. 45. *Frey. Beitr.* iii. pl. 227. *Eversm. Faun. Volg-Ural.* 338.
Agrophila flavida, *Boisd. Ind. Méth.* 175, 1401.
Tortrix Kœkeritziana, *Hübn. Eur. Schmett. Tort.* 165.
Ægle flavida, *Hübn. Verz. Schmett.* 257, 2535.
Metoponia flavida, *Guen. Noct.* ii. 207, 972.

South-East Europe.

a. Europe. From M. Becker's collection.

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* Genus Dipterorum.

2. METOPONIA VESPERTINA.

Pallide straminea; alæ anticæ fascia margineque flavescentibus, puncto discali fusco; posticæ fascia diffusa margineque subcervinis.

Pyralis vespertalis, *Hübn. Eur. Schmett. Pyral.* f. 159.
Evergestis vespertalis, *Hübn. Verz. Schmett.* 354, 3383.
Anthophila vespertina, *Treit. Schmett.* v. 280. *Boisd. Meth.* 174, 1388. *Dup. Suppl.* iv. 235, pl. 70. *Herr.-Schæff. Schmett. Eur.* ii. pl. 51, f. 260.
Metoponia? vespertina, *Guen. Noct.* ii. 208, 973.

Dalmatia. Spain.

Genus 3. EUGRAPHIA.

Corpus robustum. Proboscis brevis. Palpi porrecti, parvi, caput vix superantes; articulus 3us conicus, minimus. Antennæ simplices, corporis dimidio valde longiores. Abdomen alas posticas non superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ non latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo. *Mas.*—Abdomen apice subattenuatum, subcompressum.

Body stout. Proboscis short. Palpi porrect, small, hardly extending beyond the head; third joint conical, very minute, less than one-fourth of the length of the second. Antennæ simple, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Wings not broad. Fore wings straight in front, rounded at the tips, rather oblique along the exterior border. *Male.* — Abdomen slightly attenuated and compressed towards the tip.

1. EUGRAPHIA IRRETITA.

Albo-flava; abdomen luteum; alæ anticæ lineis tribus postice connexis lineolisque tribus posterioribus nigris, extus cupreo-fuscæ fasciis duabus connexis luteis; posticæ maris *albæ luteo marginatæ,* fœminæ *luteæ, fascia cupreo-fusca.*

Noctua irretita, *Hübn. Zeitr.* f. 305, 306.
Eugraphia irretita, *Guen. Noct.* ii. 208, 974.
Noctua melanogramma, *Perty, Del. Anim. Artic. Braz.* pl. 32, f. 10,

a. Brazil. Presented by E. Doubleday, Esq.

Genus 4. XANTHODES.

Corpus robustum. Proboscis mediocriter longa. Palpi longi, cylindrici, ascendentes; articulus 3us 2i dimidio longior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non aut vix superans. Pedes sat validi; tibiæ ciliatæ, posticæ calcaribus longis. Alæ latæ, sæpissime flavæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subobliquo.

Xanthodes, *Guen. Noct.* ii. 209.
Acontia, *Hübn.; Treit.; Boisd.; Dup.*

Body robust. Proboscis moderately long. Palpi cylindrical, long, obliquely ascending above the head; third joint more than half the length of the second. Antennæ simple, more than half the length of the body. Abdomen not or hardly extending beyond the hind wings. Legs rather stout; tibiæ ciliated; hind tibiæ with long spurs. Wings broad, generally yellow. Fore wings straight in front, slightly rounded at the tips, slightly oblique along the exterior border.

Europe.

1. XANTHODES MALVÆ.

Testacea; alæ anticæ flavæ, fusco nebulosæ, lineis tribus transversis angulatis obscurioribus, guttis marginalibus nigris; posticæ albidæ, margine lato cervino.

Noctua Malvæ, *Esp. Schmett.* iv. pl. 195, f. 4. *Hübn. Eur. Schmett. Noct.* pl. 77, f. 358.
Acontia Malvæ, *Hübn. Verz. Schmett.* 257, 2534. *Treit. Schmett.* v. 238, 1. *Boisd. Ind. Méth.* 165, 1316. *Dup. Suppl.* iii. 533, pl. 45, f. 2. *Herr.-Schæff. Schmett. Eur.* ii. pl. 44, f. 221.
Anthophila Malvæ, *Meig. Syst. Besch.* iii. 240, 4, pl. 114, f. 9.
Xanthodes Malvæ, *Guen. Noct.* ii. 210, 975.

Sicily.

2. XANTHODES GRAELLSII.

Læte flava; caput album, subtus fuscum; proboscis testacea; palpi albi, supra apiceque fusci; antennæ fuscæ, basi albæ, abdomen album; alæ anticæ vitta discali exteriore guttisque tribus subcostalibus ferrugineo-fuscis, margine exteriore ciliisque nigro-cinereis; posticæ albæ, cervino marginatæ.

Acontia Graellsii, *Feisthamel, Ann. Soc. Ent. Fr.* vi. 300, pl. 12, f. 3. *Ramb. Dup. Suppl.* iii. 535, pl. 45. *Boisd. Ind. Méth.* 165, 1317.
Xanthodes Graellsii, *Guen. Noct.* ii. 211, 977.
Mauritius. Hindostan.
a, *b*. Spain. From M. Becker's collection.

Asia.

3. Xanthodes stramen.

Albo-flava; antennæ ferrugineæ; alæ anticæ punctis paucis nigris, maculis costalibus, linea transversa exteriore fasciaque marginali fuscis, guttis duabus posticis marginalibus unaque subapicali nigris.

Xanthodes stramen, *Guen. Noct.* ii. 210, 976.
Thibet.

4. Xanthodes transversa.

Flava; palpi, abdomen et alarum anticarum lineæ transversæ angulatæ pallidissime cervinæ; alæ anticæ plaga maxima marginali fuscescente, gutta apicali nigricante; posticæ pallidissime luteæ. Var. *Alæ anticæ vitta latissima ferrugineo-fusca; posticæ lutescentes.*

Noctua flava ??. *Fabr. Ent. Syst.* iii. 2, 211, 978.
Xanthodes transversa, *Guen. Noct.* ii. 211, 978.
a, *b*. Hindostan. From Archdeacon Clerk's collection.
c, *d*. North India. From Mr. James' collection.
e. North India. From Mr. Stevens' collection.

5. Xanthodes intersepta.

Flava; palpi, thoracis vitta et alarum anticarum lineæ transversæ angulatæ cervinæ; alæ anticæ vitta nonnunquam obsoleta plagaque maxima marginali fuscescentibus, gutta apicali nigricante; posticæ subluteæ.

Xanthodes intersepta, *Guen. Noct.* ii. 212, 979.

This species is very nearly allied to the preceding one, but may be distinguished by its shorter and more rounded fore wings.

a. Ceylon. Presented by R. Templeton, Esq
b. Hindostan. From Archdeacon Clerk's collection.
c—e. North India. From Mr. Stevens' collection.
f, g. North India. From Mr. James' collection.
h, i. Silhet. From Mr. Sowerby's collection.
j, k. Malta. Presented by Miss E. Attersoll.

Australia.

6. XANTHODES MIGRATOR.

Mas. *Flava; alæ anticæ lineis tribus valde angulatis plagaque magna marginali cervinis, puncto subapicali nigro; posticæ lutescentes.*

Male. Yellow. Abdomen pale fawn-colour. Fore wings with a few blackish speckles, and with three very angular transverse fawn-coloured lines; a large fawn-coloured patch on the exterior border, and a minute subapical black dot. Hind wings somewhat luteous. Length of the body 8 lines; of the wings 18 lines.

a, b. Moreton Bay. From Mr. Stevens' collection.

Africa.

7. XANTHODES? ARCUATA.

Pallidissime lutea; abdomen pallide testaceum; alæ anticæ angustæ, apud costam perparum convexæ, apice subrotundatæ, margine exteriore convexo; posticæ albæ, testaceo marginatæ.

Very pale luteous. Abdomen pale testaceous. Fore wings narrow, very slightly convex in front; apical angle somewhat rounded; exterior border convex, very slightly oblique. Hind wings white, with testaceous borders. Length of the body 5 lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

Genus 5. LEOCYMA.

Proboscis valida, sat longa. Palpi graciles, arcuati, ascendentes; articulus 2us cylindricus, 3o conico vix crassior. Antennæ graciles, filiformes, vix pubescentes. Thorax robustus, squamosus, rotundatus, nitens, unicolor. Abdomen obconicum, læve, subvillosum.

Pedes sat validi. Alæ densæ, squamosæ; anticæ oblongæ, nitentes, vix notatæ, apice rotundatæ.

Leocyma, *Guen. Noct.* ii. 212.

Proboscis stout, moderately long. Palpi slender, curved, ascending, resting on the front; second joint cylindrical, hardly thicker than the third, which is conical. Antennæ slender, filiform, hardly pubescent. Thorax robust, squamose, rounded, shining, of one colour. Abdomen obconical, smooth, slightly villose. Legs of moderate length and thickness. Wings thick, squamose. Fore wings oblong, rounded, shining, without distinct lines.

1. Leocyma Apollinis.

Ochraceo-flava; alæ anticæ punctis duobus nigris, uno basali, altero discali. Mas.—*Pedes antici pilis cinereis dense vestiti.*

Leocyma Apollinis, *Guen. Noct.* ii. 212, 980.

Africa?

2. Leocyma Vestæ.

Nivea, nitens; frons, palpi apice, antennæ et tibiæ anticæ ochraceo nebulosæ; tarsi nigro punctati.

Leocyma Vestæ, *Guen. Noct.* ii. 212, 981.

Senegal.

3. Leocyma Dianæ.

Nivea, nitens, L. Vestæ *simillima, major; alæ anticæ apice acutiores, punctis marginalibus nigris; tarsi ochracei, nigro guttati.*

Leocyma Dianæ, *Guen. Noct.* ii. 213, 982.

Australia.

Genus 6. EUPHASIA.

Corpus robustum. Proboscis longiuscula. Palpi porrecti, caput vix superantes; articulus 3us conicus, minimus. Antennæ simplices, corporis dimidio valde longiores. Abdomen alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longissimis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice anguatæ, margine exteriore sat obliquo.

Euphasia, *Steph. Ill. Brit. Ent. Haust.* iii. 116. *Guen. Noct.* ii. 213.

Body stout. Proboscis rather long. Palpi porrect, hardly extending beyond the head; third joint conical, very minute, not more than one-sixth of the length of the second. Antennæ simple, much more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs moderately stout; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight in front, angular at the tips, rather oblique along the exterior border.

1. EUPHASIA CATENA.

Alba; alæ anticæ plagis duabus costalibus fasciaque submarginali glauco-fuscescentibus, maculis marginalibus obscurioribus; posticæ fusco plus minusve marginatæ.

Noctua catena, *Sowerby, Brit. Misc.* 29, pl. 14 *Haw. Lep. Brit.* 184.
Acontia catena, *Curt. Brit. Ent.* pl. 276.
Euphasia catena, *Steph. Ill. Brit. Ent. Haust.* iii. 116. *Guen. Noct.* ii. 214, 983.
Desmophora elegans, *Steph. Cat. Brit. Ins.* 6398.

a. Punjaub. Presented by General Hearsay.
b. North Hindostan. From Mr. James' collection.

Genus 7. ACONTIA.

Corpus sat robustum. Proboscis breviuscula. Palpi breviusculi, subascendentes; articulus 3us conicus, minimus. Antennæ simplices, corporis dimidio multo longiores. Abdomen alas posticas non superans. Pedes sat graciles; tibiæ posticæ calcaribus longis aut longissimis. Alæ latiusculæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore perparum obliquo.

Acontia, *Ochs.; Treit.; Boisd.; Steph.; Dup.; Guen. Ann. Soc. Ent. Fr.* x. 220; *Noct.* ii. 214.

Body rather stout. Proboscis rather short. Palpi rather short, slightly ascending; third joint minute, conical, less than one-fourth of the length of the second. Antennæ simple, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather slender; hind tibiæ with long or very

long spurs. Wings rather broad. Fore wings straight in front, rounded at the tips, very slightly oblique along the exterior border.

Europe.

1. Acontia viridisquama.

Nigro-fusca; alæ anticæ squamis basalibus et medianis viridibus, strigis tribus costalibus basalibus albis, reniformi pallida vaga nigro signata, linea submarginali vagâ e squamis viridibus, maculis duabus ciliaribus albo-viridibus; posticæ nigræ, ciliis albo-viridibus.

Acontia viridisquama, *Guen. Noct.* ii. 219, 994.

Spain.

2. Acontia albicollis.

Cinerea; alæ anticæ cinereo-fuscæ, basi albæ cinereo variæ, linea undulata guttisque marginalibus nigris, plaga costali ciliisque posticis albis; posticæ fuscæ, fascia excisa aut interrupta alba.

——— ———, *Engr. Pap. d'Eur.* 559, a, b.

Noctua albicollis, *Fabr. Sp. Ins.* ii. 218, 48; *Mant. Ins.* ii. 144, 71; *Ent. Syst.* iii. 2, 36, 94. *Rossi, Faun. Etr.* 1107.

Phalæna-Noctua albicollis, *Gmel. ed. Syst. Nat.* i. 5, 2551, 1084.

Noctua Solaris, *Esp. Schmett.* iv. pl. 88, f. 2, 3. *Dup. Hist. Nat. Lép. Fr.* vii. pl. 121, f. 2.

Tarache insolatrix, *Hübn. Verz. Schmett.* 261, 2565.

Acontia Solaris, *Treit. Schmett.* v. 246. *Steph. Ill. Brit. Ent. Haust.* iii. pl. 20, f. 3. *Boisd. Ind. Méth.* 165, 1322.

Acontia albicollis, *Guen. Noct.* ii. 220, 995.

This is probably a variety of the following species, or else it includes all the specimens registered under the latter.

a—d. England. From Mr. Stephens' collection.

3. Acontia Solaris.

Cinereo-fusca; thorax fascia antica vittisque duabus albis; abdomen cingulis albis; alæ anticæ basi albæ cinereo variæ gutta nigra, macula costali strigaque postica marginali lunulisque submarginalibus albis, annulo discali lineaque submarginali glaucescentibus; posticæ disco plus minusve ciliisque albis.

——— ———, *Engr. Pap. d'Eur.* 560, c, d. *Geoffr. Ins. Par.* ii. 163.

Noctua Solaris, *Wien. Verz.* 90, 8. *Esp. Schmett.* iv. pl. 88, f. 2, 3. *Bork. Eur. Schmett.* iv. 79, 30. *Hübn. Eur. Schmett. Noct.* pl. 62, f. 307, 308.

Noctua albicollis, *Dup. Hist. Nat. Lép. Fr.* vii. 346, pl. 121, f. 1.

Tarache Solaris, *Hübn. Verz. Schmett.* 261, 2564.

Acontia Solaris, *Treit. Schmett.* v. 244, 6. *Frey. Neue Beitr.* pl. 345; *Ent. Zeit. Stett.* ii. 110. *Boisd. Ind. Méth.* 165, 1322. *Guen. Noct.* ii. 221, 996.

Heliothisa Solaris, *Meig. Syst. Besch.* iii. 226, 6, pl. 114, f. 6.

a—d. England. From Mr. Stephens' collection.
e. Italy. Presented by Dr. Dowler.
f—i. Europe. From M. Becker's collection.
j—l. Gibraltar. From Mr. Milne's collection.
m. Genoa.
n. ——— ?

4. ACONTIA LUCTUOSA.

Fusca; abdomen cinerascens; alæ anticæ lineis transversis undulatis, maculis exterioribus guttisque marginalibus nigris, linea submarginali albida, plaga costali ciliisque ex parte albis; porticæ fascia discali alba.

——— ———, *Geoffr. Ins. Par.* ii. 262. *Engr. Pap. d'Eur.* 558, a, b.

Noctua luctuosa, *Wien. Verz.* 90, 7, pl. 114, f. 5. *Esp. Schmett.* iv. pl. 88, f. 4. *Bork. Eur. Schmett.* iv. 77, 29. *Hübn. Eur. Schmett. Noct.* pl. 62, f. 305, 306. *Dup. Hist. Nat. Lép. Fr.* vii. 350, pl. 121, f. 3, 4.

Noctua Italica, *Fabr. Sp. Ins.* ii. 218, 49; *Mant. Ins.* ii. 144, 72; *Ent. Syst.* iii. 2, 37, 85.

Phalæna-Noctua Italica, *Gmel. ed. Syst. Nat.* i. 5, 2551, 1085.

Ædia luctuosa, *Hübn. Verz. Schmett.* 261, 2562.

Acontia luctuosa, *Treit. Schmett.* v. 247, 7. *Steph. Ill. Brit. Ent. Haust.* iii. 113. *Frey. Neue Beitr.* pl. 346; *Ent. Zeit. Stett.* ii. 110. *Boisd. Ind. Méth.* 165, 1323. *Guen. Noct.* ii. 223, 1001.

Phytometra luctuosa, *Haw. Lép. Brit.* 29.

Ophiusa luctuosa, *Meig. Handb.* 183, 95, pl. 13, f. 6; *Syst. Besch.* iii. 210, pl. 114, f. 5.

a—h. England. From Mr. Stephens' collection.
l—m. England.
n. Sicily.
o. ——— ?

5. Acontia Caffraria.

Alba; alæ anticæ fuscæ nigro guttatæ, plaga marginali postica plagaque costali guttam includente albis, triente basali alba fasciam glaucescentem albo lineatam includente; posticæ fusco marginatæ.

Phalæna Caffraria, *Cram. Pap. Exot.* ii. 82, pl. 147, f. F.
Noctua caloris, *Hübn. Eur. Schmett. Noct.* f. 373.
Tarache caloris, *Hübn. Verz. Schmett.* 261, 2563.
Acontia caloris, *Treit. Schmett.* v. 241. *Boisd. Ind. Méth.* 165, 1320. *Dup. Suppl.* iii. 531, pl. 45. *Steph. Ill. Brit. Ent. Haust.* iii. 114. *Herr.-Schæff. Schmett. Eur.* ii. pl. f. 226.
Acontia Caffraria, *Guen. Noct.* ii. 222, 998.

South Europe. Cape.

a. South Africa. Presented by Dr. A. Smith.
b, c. ———? From Mr. Milne's collection.

Several of the exotic species do not quite agree with the generic characters of the European Acontiæ.

North America.

6. Acontia candefacta.

Mas. *Albida; alæ albo ciliatæ; anticæ maculis tribus basalibus duabusque anticis post mediis, fascia una media duabusque subapicalibus, fuscis; posticæ cinereæ, basi subtusque albæ.*

Tarache candefacta, (Noctua semigeometra, Heliothis tristis), *Hübn. Samml. Exot. Schmett.* iii. 39, 294, f. 587, 588.
Phytometra minuta, *Haw. Lep. Brit.* 265.
Acontia candefacta, *Guen. Noct.* ii. 216, 984.

Pennsylvania.

a, b. United States. Presented by E. Doubleday, Esq.
c. North America? From Mr. Stephens' collection.

7. Acontia erastrioides.

Alba; alæ anticæ flavescente-albæ, strigis tribus costalibus fusco-cinereis, macula postica magna rhomboidali nigro-fusca plumbeo varia, orbiculari e puncto nigro, ciliis albis cinereo vix tinctis.

Acontia erastrioides, *Guen. Noct.* ii. 218, 990.

North America.

8. Acontia biplaga.

Alba; caput, palpi apice et thorax anticus iridescente fusca; alæ anticæ iridescente fuscæ, basi albidæ, maculis duabus costalibus (una guttam includente) albis, lineis duabus transversis incompletis nigris, linea submarginali maculaque ciliari albidis, guttis marginalibus nigris; posticæ albidæ, litura discali margineque fuscescentibus.

Acontia biplaga, *Guen. Noct.* ii. 218, 991.

a. United States. Presented by E. Doubleday, Esq.

9. Acontia aprica.

Albida; caput, palpi apice thoraxque anticus fuscescentia; abdomen fuscescens, segmentis albo marginatis; alæ fuscæ, purpurascente variæ, anticæ basi albæ, cinereo variæ, gutta nigra, plaga costali, linea submarginali ciliisque posticis albis, guttis paucis discalibus nigris; posticæ fascia latissima indentata ciliisque albis.

Noctua aprica, *Hübn. Eur. Schmett. Noct.* f. 371.
Tarache aprica, *Hübn. Verz. Schmett.* 261, 2567.
Acontia aprica, *Treit. Schmett.* v. 238. *Boisd. Ind. Méth.* 165, 1318. *Herr.-Schæff. Schmett. Eur.* ii. pl. 44, f. 223. *Guen. Noct.* ii. 219, 992.

North America. Europe?

10. Acontia ardoris.

Mas. *Alba, cervino varia; alæ anticæ antice albæ flavo lineatæ et fusco oblique fasciatæ, postice fuscæ strigis transversis pallidioribus, apices versus fuscæ strigis flavis unaque lutea; posticæ flavæ, basi albæ.*

Noctua crucis? *Fabr. Ent. Syst.* iii. 2, 92.
Tarache ardoris, (Noctua semigeometra, Heliothis tristis), *Hübn. Samml. Exot. Schmett.* iii. 34, 276, f. 551, 552.
Acontia ardoris, *Guen. Noct.* ii. 216, 985.

Georgia.

11. ACONTIA DEBILIS.

Alba; caput antice et palpi fusca; alæ anticæ angustæ, glauco-schistaceæ, fascia obliqua arcuata alba extus costali, linea submarginali albida undulata, guttis marginalibus nigricantibus minutis, ciliis albidis, orbiculari obsoleta, reniformi indistincta, margine exteriore valde obliquo; posticæ margine diffuso pallide cinereo.

White. Head in front and palpi brown. Fore wings glaucous slate-colour, narrow, with an oblique white band, which is much curved outwards as it approaches the costa, and extends nearly to the tip of the wing; submarginal line whitish, undulating; marginal dots blackish, minute; ciliæ whitish; orbicular spot obsolete; reniform indistinct; exterior border very oblique. Hind wings with pale diffuse cinereous borders. Length of the body 3 lines; of the wings 8 lines.

a, *b*. St. John's Bluff, East Florida. Presented by E Doubleday, Esq.

West Indies.

12. ACONTIA TETRAGONA.

Alba; alæ anticæ gutta basali maculisque duabus exterioribus costalibus fuscis, marginem exteriorem versus cyaneo-fuscæ albo nigro ferrugineoque variæ, linea submarginali valde undulata, guttis marginalibus nigris, orbiculari e gutta nigra, reniformi fusca transversa non excavata nigro liturata et pupillata, ciliis ex parte albis.

White. Fore wings with a brown costal dot near the base, a brown costal spot before the middle, and an exterior brown or olive green costal spot; more than one-third of the apical part brown, tinged with blue, and varied with white, black and reddish ferruginous; this brown part is dilated hindward, and sometimes extends almost to the base; most of the white part formed by the submarginal line, which is very undulating; marginal dots black; orbicular spot represented by a black dot; reniform spot transverse, not excavated, brown, with a black centre and border; ciliæ partly white. Length of the body 4 lines; of the wings 10 lines.

a—d. St. Domingo. From Mr. Tweedie's collection.
e. Honduras. From Mr. Dyson's collection.
f. St. Domingo. From Mr. Stevens' collection.

13. ACONTIA? COSTALIS.

Testacea; caput pallide luteum; palpi apice nigri; thoracis discus nigricante-ferrugineus; alæ anticæ nigricante-ferrugineæ, basi costaque pallide luteis; posticæ albæ aut cinereæ, testaceo aut fusco marginatæ.

Pale luteous. Antennæ and tips of the palpi black. Thorax and abdomen testaceous; disk of the former blackish ferruginous. Fore wings blackish ferruginous, pale luteous at the base and along the costa. Hind wings white, shining, with slightly testaceous borders. *Var.* — Hind wings cinereous, with brown borders. Length of the body 4—4½ lines; of the wings 10—11 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Santarem. From Mr. Bates' collection.

South America.

14. ACONTIA DECISA.

Alba; caput fascia cinerea; thorax macula disculi cinerea; abdomen cinereo fasciatum; alæ anticæ maculis basalibus unaque costali cinereis, fascia lata marginali glauco-fusca nigro alboque varia postice dilatata, striga costali obliqua cervina, ciliis ex parte albis; posticæ nitentes, margine subcervino.

White. Head with a gray band. Thorax with a gray discal spot. Abdomen with gray bands. Fore wings with some gray spots towards the base, and with one on the costa a little beyond the middle; a broad glaucous-brown marginal band, which is dilated hindward to half the length of the wing towards the base, and thus includes a right angle; it is varied with black and white marks, and is accompanied on the costa by an oblique fawn-coloured streak; ciliæ partly white. Hind wings shining; borders slightly fawn-coloured. Length of the body 4 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

Africa.

15. ACONTIA NATALIS.

Alba; alæ anticæ basi cinereo nebulosæ, apices versus rufescente-cinereæ maculis magnis pallidioribus, orbiculari et reniformi cinereis albido marginatis rotundatis subæqualibus optime determinatis macula cinerea divisis, striga apud reniformem ferruginea, ciliis apud angulum internum cinereo nebulosis; posticæ cinereæ, ciliis albis.

Acontia Natalis, *Guen. Noct.* ii. 217, 987.
Port Natal.

16. ACONTIA SECTA.

Mas. *Alba; caput et abdomen nigricantia; alæ anticæ lineis basalibus undulatis cinereis, costæ dimidio basali cinereo, striga costali exteriore obliqua viridescente-cinerea, fascia marginali violaceo-cinerea nitente utrinque olivaceo tincta, lineis duabus submarginalibus guttularibus albis, lunulis marginalibus nigris, reniformi nigro marginata; posticæ nigricante marginatæ.*

Acontia secta, *Guen. Noct.* ii. 221, 997.
Abyssinia.

17. ACONTIA GRADATA.

Alba; caput fuscum; palpi porrecti, apice fusci, articulo 3o minimo; abdomen flavo-album; alæ anticæ fascia basali fuscescente, maculis costalibus fuscis, fascia lata marginali purpurascente-fusca, postice dilatata intus angulata, lunulis marginalibus nigris, striga discali lutea, reniformi e punctis nigris; posticæ flavæ, fusco marginatæ:

White. Head brown. Palpi porrect, with brown tips; third joint very small. Abdomen yellowish white. Fore wings with a brownish band near the base, and with brown spots along the costa; a broad brown lilac-tinged marginal band, which is much dilated hindward, and forms two right angles along the interior side; marginal lunules black; a pale luteous discal streak, interrupted by the black flecks which indicate the reniform spot. Hind wings yellow, with brown borders. Length of the body 6 lines; of the wings 14 lines.

a. Cape. From M. Dregé's collection.

18. ACONTIA INSOCIA.

Alba; abdomen subcinereum, alas posticas paullo superans; alæ anticæ sat angustæ, maculis costalibus fasciisque duabus duplicatis undulatis cinereo-fuscis, orbiculari et reniformi e annulis duobus incompletis nigris, guttis marginalibus nigris; posticæ cinereo marginatæ.

White. Abdomen somewhat cinereous, extending a little

beyond the hind wings. Fore wings rather narrow, with cinereous-brown costal spots, and with two irregular double undulating cinereous brown bands, the first near the base, the second marginal, dilated hindward; orbicular and reniform spots slightly indicated by their incomplete black borders; marginal dots black. Hind wings with cinereous borders. Length of the body 3 lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

19. ACONTIA CONCINNULA.

Alba; caput fascia nigricante; abdomen pallide testaceum; alæ anticæ fasciis basalibus undulatis maculisque costalibus exterioribus costalibus cinereis, orbiculari et reniformi subæqualibus e margine incompleto cinereo aut nigro, triente marginali fusca albo nigroque varia intus excavata postice dilatata, guttis marginalibus nigris, ciliis fuscis; posticæ cinereo marginatæ.

White. Head with a blackish band. Abdomen pale testaceous. Fore wings with undulating gray bands towards the base, and with exterior gray costal spots; orbicular and reniform spots indicated by incomplete gray or black borders, the former hardly smaller than the latter; marginal third part of the wing brown, varied with white and black, widened hindward and much excavated in the middle of the interior side; marginal dots black; ciliæ partly brown. Hind wings with cinereous borders. Length of the body 3½ lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

20. ACONTIA PYRALINA.

Alba; alæ anticæ fuscæ, albo subconspersæ, basi costaque albis, maculis basalibus, una costali fasciaque lata fuscis, maculis discalibus nigro marginatis, litura exteriore discali guttisque marginalibus nigris, ciliis ex parte albis; posticæ pallide cinereæ, ciliis albidis.

White. Fore wings brown, slightly speckled with white, white at the base and along most of the costa, with the exception of some brown spots near the base, one on the costa beyond the middle, and a broad brown band; discal spots bordered with black; an exterior black discal mark and black marginal dots; ciliæ partly white.

Hind wings pale cinereous, with whitish ciliæ. Length of the body 3 lines; of the wings 8 lines.

a, *b*. Sierra Leone. Presented by the Rev. D. F. Morgan.

21. Acontia dispar.

Mas. *Alba; caput fuscum; palpi oblique ascendentes, articulo 3o nigro brevissimo; abdomen luteum; alæ anticæ glauco-fuscæ, nigro fusco variæ, fasciis indistinctis incompletis undulatis albidis, plaga exteriore costali alba maculam fuscam lituramque nigram includente, lunulis marginalibus nigris; posticæ luteæ, macula fascia margineque fuscis.*

Male. White. Head brown. Palpi obliquely ascending; third joint black, not more than one-fourth of the length of the second. Abdomen luteous. Fore wings brown, with a glaucous tinge, and varied with dark brown; some indistinct and incomplete whitish undulating bands, and a large white costal patch, which is beyond the middle, and contains a brown costal spot and a black mark, the latter indicating the reniform spot; marginal lunules black. Hind wings luteous; discal spot, discal band and border brown. Length of the body 5 lines; of the wings 12 lines.

a. Port Natal. From Dr. Krauss' collection.

Asia.

22. Acontia Olivea.

Alba; abdomen cinerascens; alæ anticæ striga discali lutea, marginibus late luteo-fuscescentibus; posticæ fuscescente-cinereæ, ciliis albidis.

Acontia Olivea, *Guen. Noct.* ii. 217, 986.

Hindostan.

23. Acontia tropica.

Var. *Alba; thorax antice flavus; abdomen pallide testaceum; alæ anticæ nonnunquam testaceæ, plus minusve flavo variæ, maculis costalibus cinereis, fascia lata undulata submarginali purpureo-fusca, orbiculari et reniformi subcinereis, nigricante marginatis, guttis paucis marginalibus nigris, macula ciliari nigricante; posticæ pallide testaceæ, margine fuscescente.*

Acontia tropica, *Guen. Noct.* ii. 217, 988.

Var. White. Thorax mostly yellow in front. Abdomen pale testaceous. Fore wings more or less varied with yellow, now and then testaceous, and varied with bright yellow, with gray spots along the costa, and with a broad undulating submarginal brown band, which is varied with pale purple; orbicular and reniform spots slightly grayish, with blackish borders; an interrupted and irregular row of black marginal dots; ciliæ blackish opposite the two largest of these dots. Hind wings pale testaceous, with brownish borders. Length of the body 3—4 lines; of the wings 8—10 lines.

a—c. China. Presented by G. T. Lay, Esq.
d, e. North India. From Mr. James' collection.
f. Ceylon. Presented by R. Templeton, Esq.

24. Acontia crocata.

Lutea; alæ anticæ albo-flavescentes, luteo tinctæ, postice fuscæ et violaceo cinereo variæ, macula apud angulum internum fusca nigro lineata, margine exteriore ciliisque luteis; posticæ luteæ, nigro marginatæ.

Acontia crocata, *Guen. Noct.* ii. 218, 989.

Central Hindostan.

25. Acontia opalinoides.

Nivea; alæ anticæ lineis duobus (dimidiata et extrabasilari) undulatis duplicatis maculisque duabus costalibus cinereis, maculis duabus magnis vagis fuscis nigro glaucoque variis fascia indistincta cinerea connexis, una apicali altera apud angulum internum, reniformi rotundata nigro interrupte marginata; posticæ margine obscuro.

Acontia opalinoides, *Guen. Noct.* ii. 219, 993.
Calophasia notabilis, var.? p. 669.

Coromandel.

26. Acontia Titania.

Alba; alæ anticæ basi cinerascentes, dimidio apicali fusco punctis cyaneis, excisura antica alba, linea submarginali albida, guttis marginalibus nigris, ciliis ex parte fuscis, orbiculari e puncto nigro, reniformi et macula costali olivaceis; posticæ fasciis duabus latis fuscis.

Noctua Titania, *Esp. Schmett.* iv. 36, pl. 190, f. 2.

Acontia Titania, *Treit. Schmett.* v. 243, 5. *Eversm. Faun. Volg-Ural.* 330. *Dup. Suppl.* iii. 438, pl. 38. *Boisd. Ind. Méth.* 165, 1321. *Herr.-Schæff. Schmett. Eur.* ii. pl. 45, f. 230, 231. *Guen. Noct.* ii. 222, 999.

Heliothisa Titania, *Meig. Syst. Besch.* iii. 227, 7, pl. 114, f. 8.

South Asiatic Russia.

a, *b*. Ural Region? From M. Becker's collection.

27. Acontia Urania.

Alba; caput roseum, vertice fusco; palpi rosei; antennæ nigræ, subtus fulvæ; abdomen apice cinerascens; alæ anticæ fasciis basalibus strigisque costalibus pallide fuscis, annulis duobus discalibus nigris, triente exteriore roseo-fusca cyaneo nigroque varia postice dilatata; posticæ cinerascentes, margine fusco.

Acontia Urania, *Herr.-Schæff. Schmett. Eur.* ii. pl. 45, f. 227. *Guen. Noct.* ii. 223, 1000.

28. Acontia cretacea.

Candida; ciliæ concolores; alæ anticæ basi fasciaque lata externa nigris albo marmoratis; posticæ fascia nigricante.

Acontia cretacea, *Evers. Bull. Soc. Imp. Nat. Mosc.* xx. 3, 80, 17, pl. 6, f. 3.

Sarepta.

29. Acontia costistigma.

Alba; alæ anticæ gutta basali maculisque duabus exterioribus costalibus fusco-olivaceis, marginem exteriorem versus glauco-fuscæ nigro et ferrugineo variæ, orbiculari obsoleta, reniformi nigro marginata, lunulis marginalibus nigris, linea submarginali alba, ciliis albo strigatis; posticæ albidæ, margine subæneo.

White. Fore wings with a brownish olive dot, costal dot near the base, and with two costal spots of the same hue, exterior part brown, tinged with glaucous, and varied with black and ferruginous, and including the white submarginal line; this part includes an angle near the costa, and is much widened hindward; orbicular spot obsolete; reniform with a black border; marginal lunules black; ciliæ with two or three white streaks. Hind wings whitish,

with slightly æneous borders. Length of the body 4 lines; of the wings 9 lines.

a. North India. Presented by E. Doubleday, Esq.
b. Hindostan.

30. ACONTIA BASIFERA.

Alba; caput antice et palpi fusca; thoracis discus fuscescens; abdomen pallide cinereum; alæ anticæ olivaceæ, basi costaque albis, maculis tribus costalibus olivaceis, orbiculari et reniformi fuscis, hac subrotunda, illa oblonga, linea submarginali alba incompleta, guttis marginalibus nigris; posticæ cinereæ.

White. Head in front and palpi brown. Disk of the thorax brownish. Abdomen pale cinereous. Fore wings dull olive-colour, white at the base and along the costa, where there are three olive-coloured spots; orbicular and reniform spots brown, the former oblong, the latter almost round; submarginal line white, irregular, incomplete; marginal dots black. Hind wings cinereous. Length of the body 2¾ lines; of the wings 6 lines.

a, *b*. North India. From Mr. Stevens' collection.

31. ACONTIA SIGNIFERA.

Alba; alæ anticæ fuscæ, basi albæ maculis duabus costalibus fuscis, lineis strigisque exterioribus nigris, fascia interrupta duplicata undulata alba, reniformi arcuata, striga exteriore guttisque marginalibus nigris, ciliis cinereis; posticæ margine lato cinereo.

White. Fore wings brown, excepting full one-third of the length from the base, near which there are two brown costal spots; the brown part contains some black lines, and some exterior black streaks, and an intermediate double interrupted undulating white band; reniform spot in the white band, indicated by a black lunule, near which there is a black streak; marginal dots black; ciliæ mostly cinereous. Hind wings with broad cinereous borders. Length of the body 3 lines; of the wings 7 lines.

a. North India. From Mr. James' collection.

32. Acontia turpis.

Pallide cervina; abdomen pallide testaceum, basi album; alæ anticæ sat angustæ, lineis transversis indistinctis undulatis obscurioribus, orbiculari et reniformi albidis margine obscuro, illa magna, linea submarginali albida undulata, guttis marginalibus minimis obscure fuscis, ciliis cinereis; posticæ pallide cinereæ, guttis marginalibus fuscis, ciliis albidis.

Pale fawn-colour. Abdomen pale testaceous, white at the base. Fore wings rather narrow, with indistinct undulating transverse darker lines; orbicular and reniform spots whitish, with darker borders, the former large; submarginal line whitish, undulating; marginal dots dark brown, very minute; ciliæ cinereous. Hind wings pale cinereous, with brown marginal dots, and with whitish ciliæ. Length of the body 3 lines; of the wings 8 lines.

a. North India. From Mr. Stevens' collection.

33. Acontia triradiata.

Schistacea; thorax albo varius; abdominis segmenta albo marginata; alæ anticæ fuscæ, cyaneo conspersæ, intus albæ schistaceo variæ, gutta basali nigra, plaga costali exteriore lineisque duabus incompletis undulatis albis, ciliis postice albis, orbiculari obsoleta, reniformi et guttis marginalibus nigris; posticæ fascia ciliisque albis, strigis tribus fuscis.

Slate-colour. Thorax varied with white. Abdomen with a slender white band on the hind border of each segment. Fore wings brown, speckled with blue, white and varied with slate-colour for almost one-third of the length from the base, near which there is a black dot; a white costal patch beyond the middle, and two incomplete undulating white lines; hind part of the ciliæ white; orbicular spot obsolete; reniform mostly black; marginal dots black, the two by the tip of the wing larger than the others. Hind wings with a white band, which is interrupted by two brown streaks, and partly so by a third short streak in front; ciliæ white. Length of the body 5 lines; of the wings 12 lines.

a. Punjaub. Presented by General Hearsey.

34. Acontia biplaga.

Alba, nitens; alæ anticæ opalinæ, striga antica obliqua maculaque maxima subrotunda subapicali cupreo-fuscis; posticæ margine subcupreo.

White, shining. Fore wings with opaline lustre, with an oblique cupreous-brown streak, extending from the middle of the costa to the disk, and with a very large almost round subapical cupreous-brown spot; a slender interrupted black marginal line. Hind wings with a slightly cupreous border. Length of the body 5 lines; of the wings 12 lines.

a. North China. From Mr. Fortune's collection.

35. Acontia maculosa.

Alba; thoracis discus fuscus; abdomen pallide cinereum fasciis fuscis; alæ anticæ maculis nonnullis olivaceis, fascia lata submarginali obliqua undulata fusca glauco varia postice dilatata, maculis discalibus nigricantibus disco albidis, maculis et guttis marginalibus nigris; posticæ pallide cinereæ, litura discali margineque fuscis, ciliis albidis.

White. Thorax with a brown disk. Abdomen pale cinereous, with brownish bands. Fore wings with several dull olive-coloured spots, and with a broad submarginal oblique undulating glaucous-varied brown band, which is dilated hindward; discal spots blackish, with whitish disks; a row of black marginal spots or dots. Hind wings pale cinereous; discal mark and border brown; ciliæ whitish. Length of the body 3—3½ lines; of the wings 8—9 lines.

a. China. Presented by H. G. Harrington, Esq.
b, *c*. North India. From Mr. Stevens' collection.

36. Acontia olivacea.

Sordide alba; alæ anticæ pallide olivaceo-cinereæ, lineis quatuor albidis, 1a et 2a interioribus, 3a et 4a exterioribus approximatis, striga discali indistincta rufescente, reniformi e litura nigra strigaque arcuata obscura olivaceo-cinerea costam versus dilatata connexis, guttis duabus subapicalibus nigris; posticæ cinereæ, basi albidæ, guttis marginalibus nigris.

Dingy white. Fore wings pale olive-gray, with four whitish lines; first and second lines interior; third and fourth exterior,

approximate; an indistinct reddish streak in front of the reniform spot, which is represented by a black mark, whence proceeds a curved dark olive-gray streak, which becomes wider and paler as it approaches the border; two black subapical dots. Hind wings cinereous, whitish towards the base; a row of black marginal dots; Length of the body 4½—5 lines; of the wings 11—12 lines.

a. Punjaub. Presented by General Hearsay.
b. Ceylon. Presented by R. Templeton, Esq.

37. Acontia significra.

Fusca, subtus lutea; caput antice album; palpi albi, apice fusci; thorax albo varius; abdomen basi fasciisque luteis; alæ anticæ nigro conspersæ, purpureo subtinctæ, maculis costalibus ciliisque minoribus albis; posticæ luteæ, fusco late marginatæ.

Brown, luteous beneath. Head white in front. Palpi white, with brown tips. Thorax varied with white. Abdomen luteous at the base and with luteous bands. Fore wings speckled with black, slightly tinged with purple, with various white marks, of which the largest are along the costa; middle costal spot larger than the others. Hind wings luteous, with broad brown borders. Length of the body 3 lines; of the wings 6 lines.

a. North India. From Mr. Stevens' collection.

38. Acontia bimacula.

Mas. *Alba; caput fusco fasciatum; palpi ascendentes, extus fuscescentes, articulo 3o cylindrico longiusculo; alæ anticæ guttis costalibus nigris, striga brevi costali subapicali fusca albido-purpurascente conspersa, guttis submarginalibus fuscis, fascia exteriore testacea, linea marginali interrupta fusca; posticæ guttis marginalibus nigris.*

Male. White. Head with a brown band in front. Palpi ascending, brownish on the outer side; third joint cylindrical, nearly half the length of the second. Fore wings with black costal dots, and with a short brown costal subapical streak, which is sprinkled with whitish lilac; an indistinct testaceous band between a row of submarginal brown dots, and an interrupted brown marginal line. Hind wings with black marginal dots. Length of the body 6 lines; of the wings 14 lines.

a. Hong Kong. Presented by J. C. Bowring, Esq.

Australia.

39. Acontia pulchra.

Fœm. *Alba; caput antice rufescens; palpi subascendentes, supra apiceque rufescentes, articulo 3o cylindrico vix brevi; alæ anticæ lituris quatuor costalibus rufescentibus, 4a strigaque brevi lata obliqua undulata fusca cyaneo conspersa connexis, linea posteriore testacea, lunulis submarginalibus fuscis indistinctis.*

Acontia pulchra, *MSS.*

Female. White. Head reddish in front. Palpi slightly ascending, reddish above and towards the tips; third joint cylindrical, about one-third of the length of the second. Fore wings with four reddish marks along the costa, the first and the second very small, the third larger, the fourth still larger, and connected with a short broad oblique undulating brown streak, which is sprinkled with blue, and joins a hinder testaceous line; submarginal lunules brown, indistinct. Length of the body 8 lines; of the wings 19 lines.

a. Australia, North-West Coast. Presented by His Excellency Capt. Gray.

40. Acontia? undulosa.

Alba; palpi et pedes antici nigri; thorax nigro fasciatus; abdomen et pedes lutea; alæ anticæ lineis tribus angulosis, striga costali fasciaque exteriore nigro-cinereis, reniformi guttulari guttisque marginalibus nigris; posticæ luteæ, apice fuscæ.

White. Palpi and fore legs black. Thorax with a black band. Abdomen and posterior legs luteous. Fore wings with three zigzag blackish gray lines, with a blackish gray costal streak between the first and second lines, and a blackish gray band between the third line and the marginal dots; reniform spot represented by a black dot. Hind wings luteous, with brown tips. Length of the body 4 lines; of the wings 12 lines.

a. Tasmania. Presented by R. Butler, Esq.

Country unknown.

41. Acontia bipunctata.

Sordide alba, vix testaceo tincta; alæ anticæ lituris costalibus pallidissime fuscis, fascia lata obliqua undulata glauco-fusca nigro-fusco varia postice dilatata, orbiculari e gutta nigra, reniformi indistincta, linea marginali interrupta nigra; posticæ margine lato cinereo.

Dingy white, with a very slight testaceous tinge. Fore wings with some very pale brown marks along the costa, and with a broad oblique undulating brown band, which does not extend to the costa, has a glaucous tinge, is varied with blackish brown, and is widened hindward; orbicular spot represented by a black dot; reniform indistinct; a black interrupted marginal line. Hind wings with broad cinereous borders. Length of the body 3 lines; of the wings 8 lines.

a, b. ———?

42. Acontia monilifera.

Alba; alæ anticæ macula guttaque costalibus fuscis, umbra apud angulum interiorem cinerea, orbiculari e gutta nigra, reniformi nigricante, fascia obliqua exteriore purpureo-fusca postice dilatata strigaque flavescente apud reniformem conjunctis, linea submarginali fuscescente, guttis marginalibus nigris, ciliis ex parte fuscescentibus; posticæ margine lato pallide fusco.

White. Fore wings with a brown spot on the costa beyond the middle, and with a brown dot nearer the tip; a slight gray mark near the base of the interior border; orbicular spot indicated by a black dot; reniform blackish; an exterior oblique brown band, much widened hindward, with purplish reflections, half including the reniform, and there contiguous to a yellowish mark; submarginal line brownish, connected at the tip of the wing with the above band; a row of black marginal dots; ciliæ partly brownish. Hind wings with broad pale brown borders. Length of the body 3½ lines; of the wings 10 lines.

a. ———?

43. ACONTIA INCLUDENS.

Alba; palpi et caput antice fusca; alæ anticæ purpureo-fuscæ, triente basali alba fasciis undulatis cinereis, gutta basali nigra, plaga magna exteriore costali alba, litura posteriore ciliisque albidis, his cinereo maculatis; posticæ margine diffuso fuscescente.

White. Palpi and fore part of the head brown. Fore wings purplish brown, white, with undulating gray bands for more than one-third of the length from the base, near which there is a black dot; a large white exterior costal patch, and a whitish mark behind it; ciliæ whitish, with gray spots. Hind wings with diffuse brownish borders. Length of the body 6 lines; of the wings 16 lines.

a. ——— ?

44. ACONTIA DELECTA.

Fœm. *Alba, subtus testacea; caput thoracisque discus fusca; palpi porrecti, breviusculi; abdomen luteum; alæ anticæ fasciis duabus nigricantibus cyaneo variis ferrugineo marginatis, 1a costali ad discum flexa, 2a submarginali postice dilatata, macula parva costali ferruginea; posticæ luteæ, fusco marginatæ.*

Female. White, testaceous beneath. Head and the fore part and disk of the thorax brown. Palpi porrect, rather short. Abdomen luteous. Fore wings with two blackish ferruginous-bordered, blue-varied bands, the first extending along the costa to a short distance from the base, and then diverging to the disk, the second submarginal emitting a marginal fork at the tip, and much dilated hindward; a small ferruginous costal spot near the exterior band. Hind wings luteous, with brown borders. Length of the body 5 lines; of the wings 12 lines.

a. ——— ?

Genus 6. NIPISTA.

Fœm. Corpus sat validum. Proboscis longiuscula. Palpi caput sat superantes; articulus 2us longus, validus; 3us obtusus, brevissimus. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore subconvexo vix obliquo.

Female. Body rather stout. Proboscis rather long. Palpi extending some distance beyond the head; second joint long and stout; third obtuse, not more than one-sixth of the length of the second. Antennæ simple, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight in front, angular at the tips, very slightly convex and oblique along the exterior border.

1. NIPISTA LINEATA.

Fœm. *Albida; palpi et thorax anticus ex parte fusci; alæ anticæ extus glaucescentes, margine exteriore olivaceo, lineis plurimis undulatis fuscis, fasciis tribus interioribus macularibus obscure fuscis, linea submarginali undulata fusca albidaque, guttis submarginalibus fuscis albo marginatis, maculis discalibus subobsoletis; posticæ subtestaceæ, basi albidis, ciliis albis.*

Female. Whitish. Palpi and fore part of the thorax partly brown. Fore wings with a glaucous tinge beyond the middle, and somewhat olive-coloured along the exterior border; numerous undulating brown lines; three much deeper brown macular bands on the interior half of the wing; submarginal line undulating, brown and whitish; a row of brown white-bordered dots nearer the exterior border; discal spots almost obsolete. Hind wings somewhat testaceous, whitish towards the base; ciliæ white. Length of the body 4—5 lines; of the wings 10—12 lines.

a, *b*. Venezuela. From Mr. Dyson's collection.

Genus 7. CAULARIS.

Mas. Corpus robustum. Proboscis longiuscula. Palpi porrecti, caput paullo superantes; articulus 2us validus; 3us cylindricus, gracilis, brevis. Antennæ pectinatæ. Abdomen alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ anticæ longiusculæ, vix latæ, apud costam subrectæ, apice rotundatæ, margine exteriore perobliquo.

Male. Body stout. Proboscis rather long. Palpi porrect, extending a little beyond the head; second joint stout; third cylindrical, slender, not more than one-fourth of the length of the second. Antennæ moderately pectinated. Abdomen hardly ex-

tending beyond the hind wings. Legs moderately stout; hind tibiæ with long spurs. Fore wings rather long, moderately broad, almost straight in front, rounded at the tips, very oblique along the exterior border.

This genus appears to have some affinity to *Heliothis* as well as to *Acontia*.

1. CAULARIS UNDULANS.

Mas. *Albida; caput antice palpique fusca; abdomen pallide luteum; alæ anticæ fusco conspersæ, fascia lata marginali fusca lineaque undulata nigra connexis, vitta maculaque oblonga discalibus albis, maculis discalibus testaceo-fuscis apud discum nigris; posticæ pallide luteæ, fusco marginatæ, litura apud angulum interiorem nigra arcuata.*

Male. Whitish. Head in front and palpi brown. Abdomen pale luteous. Fore wings thickly speckled with brown; a broad marginal brown band divided from the whitish part by an undulating black line, along which the wing is not speckled, and it is also wholly white in a discal stripe, and in an oblong spot between the discal spots, which are testaceous-brown, with black disks. Hind wings pale luteous, with brown borders, and with a black curved mark by the interior angle. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Stevens' collection.

Genus 8. DACIRA.

Mas. Corpus robustum. Proboscis mediocriter longa. Palpi breves, porrecti, caput non superantes; articulus 3us minimus. Antennæ validæ, simplices, corporis dimidio paullo longiores. Abdomen alas posticas paullo superans, apice dense fasciculatum. Pedes breves, robusti, pilosi; tibiæ posticæ dense fasciculatæ, calcaribus validis breviusculis. Alæ latiusculæ, non longæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore antice vix obliquo postice mediocriter obliquo.

Male. Body stout. Proboscis moderately long. Palpi short, porrect, not extending beyond the head; third joint very minute. Antennæ stout, simple, a little more than half the length of the body. Abdomen extending a little beyond the hind wings, with a thick apical tuft. Legs short, thick, pilose; hind tibiæ thickly

tufted, with stout, but rather short spurs. Wings rather broad, not long. Fore wings straight in front, rectangular at the tips; exterior border hardly oblique in front, moderately oblique hindward.

1. DACIRA COMBUSTA.

Mas. *Aterrima; caput, antennæ basi, tibiæ apice tarsique basi alba; thorax posticus albo ferrugineoque pilosus; abdomen pallide cinereum, disco nigricante; alæ anticæ rufescente-ferrugineæ, triente basali alba, linea intermedia nigra, fascia interrupta testacea interiore basi atra, plaga costali nigra, lituris exterioribus costalibus et ciliaribus albis; posticæ albæ.*

Male. Very deep black. Head, antennæ at the base, tips of the tibiæ and tarsi towards the base white. Hind part of the thorax with white and ferruginous plumes. Abdomen pale cinereous; disk blackish. Fore wings reddish ferruginous, white for more than one-third of the length from the base, deep black at the base, near which there is a testaceous interrupted band, of which the fore part is bordered with black; the white part is bordered by a black line which adjoins a large black costal patch; some white marks along the exterior part of the costa and on the ciliæ, which elsewhere are black Hind wings white, silky. Length of the body 4½ lines; of the wings 9 lines.

a. Villa Nova. From Mr. Bates' collection.

Fam. 3. ERASTRIDÆ.

Erastridæ, *Guen. Noct.* ii. 224.
Noctuo-Phalænidæ, *Boisd.; Dup.*

A. Abdomen alas posticas superans. - 1. CHAMYRIS, *Guen.*
B. Abdomen alas posticas non superans.
A. Abdomen cristatum. - - - 3. ERASTRIA, *Ochs*
B. Abdomen non cristatum.
a. Thorax cristatus. - - - - 2. PSEUDINA, *Guen.*
b. Thorax non cristatus. - - - 4. BANKIA, *Guen.*

Genus 1. CHAMYRIS.

Corpus sat validum. Proboscis longa, valida. Palpi graciles, subarcuati, oblique ascendentes; articulus 3us acuminatus, 2i triente non brevior. Antennæ subpubescentes, corporis dimidio longiores. Abdomen alas posticas superans, segmentis 1—4 fasciculatis. Pedes longiusculi, sat validi; tibiæ posticæ calcaribus breviusculis. Alæ anticæ longæ, non latæ, apud costam vix convexæ, apice rotundatæ, margine exteriore convexo perobliquo.

Chamyris, *Guen. Noct.* ii. 225.
Acontia, p., *Treit.*; *Boisd.*

Body moderately stout. Proboscis long, stout. Palpi slender, slightly curved, obliquely ascending; third joint acuminated, about one-third of the length of the second. Antennæ more than half the length of the body, very minutely pubescent. Abdomen extending somewhat beyond the hind wings; four first segments crested. Legs moderately long and stout; hind tibiæ with rather short spurs. Fore wings long, not broad, hardly convex in front, rounded at the tips, convex and very oblique along the exterior border.

1. Chamyris Cerintha.

Cinereo-fusca; abdomen albidum, cristis ferrugineis; alæ anticæ albæ, fasciis duabus ferrugineo-fuscis cyaneo nigro alboque variis, una basali, altera marginali, fascia intermedia pallida undulata glauco-cinerea albo lineata; posticæ albæ, linea marginali cinerea.

Acontia Cerintha, *Treit. Schmett.* v. 240. *Boisd. Ind. Méth.* 165, 1319. *Herr.-Schæff. Schmett. Eur.* ii. pl. 86, f. 446.
Chamyris Cerintha, *Guen. Noct.* ii. 225, 1002.

a—e. New York. Presented by E. Doubleday, Esq.

Genus 2. PSEUDINA.

Corpus vix robustum. Palpi graciles, squamosi, caput perpaullo superantes. Antennæ sat validæ, vix pubescentes. Thorax globosus, posticæ cristatus; tegulæ apice lanuginosæ. Abdomen lævе, alas posticas non superans. Alæ longæ, latiusculæ; anticæ apud costam vix convexæ, apice rotundatæ, margine exteriore convexo sat obliquo.

Pseudina, *Guen. Noct.* ii. 226.

Body hardly stout. Palpi slender, curved, squamose, hirsute, extending very little beyond the head. Antennæ rather short, hardly pubescent. Thorax globose, with a crest at its junction with the abdomen; lappets cottony at their tips. Abdomen smooth, not extending beyond the hind wings. Wings long, rather broad. Fore wings hardly convex in front, rounded at the tips, convex and rather oblique along the exterior border.

1. PSEUDINA VELLEREA.

Alba; caput cinereum; alæ anticæ plaga costali media maxima lineisque exterioribus obliquis undulatis duplicatis cinereis, orbiculari et reniformi magnis subæqualibus nigro marginatis; posticæ fascia margineque cinereis.

Pseudina vellerea, *Guen. Noct.* ii. 226, 1003.

Brazil.

Genus 3. ERASTRIA.

Corpus gracile. Proboscis brevis. Palpi graciles, oblique ascendentes; articulus 3us lanceolatus, 2i triente vix brevior. Antennæ simplices, graciles, corporis dimidio fere longiores. Abdomen cristatum, alas posticas non superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subrotundatæ aut subacutæ, margine exteriore perparum convexo.

Erastria, *Ochs.; Treit.; Steph.; Curt.; Boisd.; Dup.; Guen. Ann. Soc. Ent. Fr.* x. 226; *Noct.* ii. 226.

Body slender. Proboscis short. Palpi slender, obliquely ascending; third joint lanceolate, nearly one-third of the length of the second. Antennæ simple, slender, full half the length of the body. Abdomen crested, not extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, slightly rounded or somewhat acute at the tips, very slightly oblique along the exterior border.

Europe.

1. ERASTRIA VENUSTULA.

Cinereo-fusca; alæ anticæ albo variæ, guttis maculisque paucis discalibus nigris; posticæ albidæ.

Pyralis Hybnerana? *Fabr. Ent. Syst.* iii. 2247, 17.
Noctua venustula, *Hübn. Eur. Schmett. Noct.* f. 294.
Hapalotis venustula, *Hübn. Verz. Schmett.* 254, 2517.
Erastria venustula, *Treit. Schmeit.* v. 264; *Suppl.* 147. *Steph. Ill. Brit. Ent.* iii. 118. *Curt. Brit. Ent.* f. 356. *Boisd. Ind. Méth.* 176, 1408. *Eversm. Faun. Volg-Ural.* 334. *Dup. Suppl.* iii. 505, pl. 47, f. 5. *Guen. Noct.* ii. 227, 1004.

a, *b*. England. From Mr. Stephens' collection.
c, *d*. England.
e. Europe. From M. Becker's collection.

2. Erastria scitula.

Alæ anticæ albo cinereoque variæ, macula reniformi lineaque marginuli undulata nigro notatis.

Erastria scitula, *Ramb. Ann. Soc. Ent. Fr.* ii. 26, pl. 2, f. 16. *Dup. Suppl.* iii. 567, pl. 47, f. 4. *Herr.-Schæff. Schmett. Eur.* ii. pl. 50, f. 251. *Guen. Noct.* ii. 228, 1005.
Hæmerosia scitula, *Boisd. Ind. Méth.* 164, 1315.

Provence. Corsica.

3. Erastria atratula.

Nigro-fusca, albo conspersa; abdomen cinereum; alæ anticæ fasciis duabus latis excavatis albis, guttis submarginalibus nigris; posticæ fuscescente-cinereæ, ciliis albidis.

Noctua atratula, *Wien. Verz.* 89, 7. *Bork. Eur. Schmett.* iv. 194, 88.
Geometra rivulata, *Fabr. Sp. Ins.* ii. 262, 120; *Mant. Ins.* ii. 206, 181; *Ent. Syst.* iii. 2, 189, 219. *Bork. Eur. Schmett.* v. 540, 285.
Phalæna-Geometra rivulata, *Gmel. ed. Syst. Nat.* i. 5, 2479, 738.
Noctua Tineodes, *Naturf.* ix. 138. *Berl. Mag.* iii. 412. *Scriba, Beitr.* iii. pl. 13, f. 6. *View.* pl. 1, f. 7.
Noctua deceptoria, *Scop. Ent. Carn.* 527.
Hapalotis atratula, *Hübn. Verz. Schmett.* 254, 2515.
Erastria atratula, *Treit. Schmett.* v. 261. *Boisd. Ind. Méth.* 176, 1405. *Dup. Suppl.* iii. 563, pl. 47. *Guen. Noct.* ii. 228, 1006.
Anthophila atratula, *Meig. Handb.* 185, 101, pl. 13, f. 9; *Syst. Besch.* iii. 239, 2, pl. 120, f. 4.

a—*d*. Europe. From M. Becker's collection.

4. Erastria candidula.

Alba; palpi fusci; abdomen albidum; alæ anticæ cinereo nebulosæ, macula interiore plagaque exteriore costalibus nigro-cinereis, hac albo notata, guttis paucis lunulisque marginalibus elongatis nigris; posticæ albidæ.

Noctua candidula, *Wien. Verz.* 90, 8. *Bork. Eur. Schmett.* iv. 89. *Hübn. Eur. Schmett. Noct.* f. 295.
Hapalotis candidula, *Hübn. Verz. Schmett.* 254, 2516.
Erastria candidula, *Treit. Schmett.* v. 263. *Boisd. Ind. Méth.* 176, 1406. *Dup. Suppl.* iv. 78, pl. 57, f. 2. *Guen. Noct.* ii. 128, 1007.

a—c. Europe. From M. Becker's collection.

5. Erastria fuscula.

Fusca, nigro conspersa; abdomen cinereum, nigro cristatum; alæ anticæ lineis transversis undulatis nigris, macularum marginibus, fascia exteriore diffusa lineaque submarginali albis, striga discali testacea; posticæ fusco-cinereæ.

———— ————, *Engr. Pap. d'Eur.* 319, a—c.
Noctua fuscula, *Wien. Verz.* 89, 6. *Bork. Eur. Schmett.* iv. 192, 87. *Hübn. Eur. Schmett. Noct.* pl. 60, f. 297. *Dup. Hist. Nat. Lép. Fr.* vii. 370, pl. 123, f. 1.
Noctua polygramma, *Esp. Schmett.* iv. pl. 146, f. 7. *Bork. Eur. Schmett.* iv. 191, 86.
Noctua strigilis, *Schæff. Icon.* ii. pl. 179, f. 4, 5.
Noctua præduncula, *Bork. Eur. Schmett.* iv. 173.
Hapalotis fuscula, *Hübn. Verz. Schmett.* 254, 2514.
Erastria fuscula, *Treit. Schmett.* v. 257, 4. *Steph. Ill. Brit. Ent. Haust.* iii. 119. *Curt. Brit. Ent.* pl. 356. *Boisd. Ind. Méth.* 176, 1404. *Guen. Noct.* ii. 229, 1010.
Anthophila fuscula, *Meig. Syst. Besch.* iii. 239, 1, pl. 120, f. 5.

a—i. England. From Mr. Stephens' collection.
j—p. England.
q—s. Europe. From M. Becker's collection.
t. ———— ?

North America.

6. Erastria carneola.

Mas. *Albida; thorax nigricante fasciatus; abdomen nigro cristatum; alæ anticæ cinereo-nigricantes, trinte apicali cinerea albido lineata, lunulis marginalibus nigris, basi strigaque lata obliqua costali albis; posticæ cinereæ, linea marginali nigricante.*

Erastria carneola, *Guen. Noct.* ii. 228, 1008.

a. United States. Presented by E. Doubleday, Esq.

7. Erastria nigritula.

Nigricans; abdomen punctis pallidis; alæ anticæ macula postica, reniformi fasciaque lata intus undulata marginali albido-carneis, lineis transversis nigris undulatis, exteriore valde flexuosa; posticæ subcinereæ, macula discali fasciisque duabus obscurioribus.

Erastria nigritula, *Guen. Noct.* ii. 229, 1009.

a. East Florida. Presented by E. Doubleday, Esq.

8. Erastria muscosula.

Cinerea; alæ anticæ medio fuscæ, lineis transversis undulatis et macularum marginibus albidis nigrisque, lunulis marginalibus nigris.

Erastria muscosula, *Guen. Noct.* ii. 230, 1011.

a, b. New York. Presented by E. Doubleday, Esq.

9. Erastria albidula.

Canescens; caput, thorax et alæ anticæ testaceo subtinctæ; alæ anticæ lineis transversis indistinctis undulatis albidis.

Erastria albidula, *Guen. Noct.* ii. 230, 1012.

a. United States. Presented by E. Doubleday, Esq.

10. Erastria rubicunda.

Cervina; thorax nigro fasciatus; abdomen cinereum; alæ anticæ lineis undulatis, strigis submarginalibus et macularum marginibus fuscis, fascia exteriore purpurea, claviformi testacea, reniformi testaceo ex parte marginata, linea submarginali testacea angulosa; posticæ cinereæ.

Fawn-colour. Thorax with a black band in front. Abdomen cinereous. Fore wings with undulating brown lines, of which one near the base and one beyond the reniform spot are darker than the others; a purple band beyond the latter line, and some brown streaks between the band and the exterior border; claviform and orbicular spots with brown borders, the former testaceous; reniform very large, partly bordered with testaceous and partly with brown; submarginal line testaceous, zigzag, whitish towards the costa. Hind wings cinereous. Length of the body 4 lines; of the wings 10 lines.

a, b. Trenton Falls, New York. Presented by E. Doubleday, Esq.

11. Erastria inscripta.

Cinereo-fusca; abdomen cinereum; alæ anticæ lituris duabus costalibus guttaque apud marginem interiorem albis, linea submarginali vix conspicua, reniformi alba maxima fusco varia; posticæ cinereæ.

Cinereous-brown. Abdomen cinereous. Fore wings with two white costal marks, the first opposite the reniform spot, the second forming part of the submarginal line, which elsewhere is very indistinct; orbicular spot obsolete; reniform white, very large, marked with brown, opposite a white dot on the interior border. Hind wings cinereous. Length of the body 4½ lines; of the wings 11 lines.

a. United States. Presented by E. Doubleday, Esq.

12. Erastria varia.

Ferrugineo-cinerea; abdomen cinereum; alæ anticæ lineis transversis pallidioribus aut nigricantibus subundulatis vix conspicuis, linea submarginali angulosa, orbiculari et reniformi cinereis magnis nigro ex parte marginatis, ciliis nigro interlineatis; posticæ cinereæ, margine obscuriore.

Ferruginous-cinereous. Antennæ black. Abdomen cinereous. Fore wings with the transverse lines paler or blackish, slightly undulating, very indistinct and incomplete; submarginal line zigzag; orbicular and reniform spots cinereous, large, their borders partly black, the former about half the size of the latter; ciliæ interlined with black. Hind wings cinereous, with darker borders. Length of the body 4 lines; of the wings 10 lines.

a. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

13. ERASTRIA BIPLAGA.

Mas. *Cinerea, fusco varia; abdomen fusco cristatum; alæ anticæ fuscæ, nigro conspersæ, striga basali fasciaque brevi lata obliqua roseo-albis, triente marginali cinerea, linea marginali interrupta obscure fusca, orbiculari subobsoleta, reniformi nigro aut albido marginata; posticæ cinereæ.*

Male. Cinereous, varied with brown. Abdomen with brown crests. Fore wings brown, speckled with black; a basal streak and a short broad oblique band proceeding from the costa to the disk rosy-white; marginal third part cinereous; marginal line dark brown, interrupted; orbicular spot almost obsolete; reniform indicated by a black or whitish outline. Hind wings cinereous. Length of the body 4 lines; of the wings 10 lines.

a. Illinois. Presented by E. Doubleday, Esq.

Africa.

14. ERASTRIA? PUNCTIFERA.

Mas. *Fusca; abdomen cinereo-fuscum; alæ anticæ guttis variis albis, lineis transversis undulatis incompletis nigricantibus, linea submarginali e guttis nigricantibus; posticæ fuscescente-cinereæ.*

Male. Brown. Head wanting. Abdomen cinereous-brown. Fore wings with various white dots, which are mostly contiguous to the incomplete and irregular blackish transverse undulating lines; submarginal line composed of blackish dots. Hind wings brownish cinereous. Length of the body 4½ lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

Genus 4. BANKIA.

Corpus gracile. Proboscis brevis. Palpi pilosi, oblique ascendentes; articulus 3us lanceolatus, 2i triente non longior. Antennæ corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore perparum obliquo.

Bankia, *Guen. Noct.* ii. 231.
Erastria, p., *Treit.*; *Steph.*
Anthophila, p., *Boisd.*

Body slender. Proboscis short. Palpi pilose, obliquely ascending; third joint lanceolate, about one-third of the length of the second. Antennæ more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, slightly rounded at the tips, very slightly oblique along the exterior border.

1. Bankia argentula.

Luteo-cervina; abdomen albidum; alæ anticæ fasciis duabus obliquis albis nigro marginatis, linea marginali albida; posticæ albidæ, margine obscuriore.

Pyralis Bankiana, *Fabr. Sp. Ins.* ii. 275, 1; *Mant. Ins.* ii. 224, 1; *Ent. Syst.* iii. 2, 242, 1.
Tortrix olivana, *Wien. Verz.* 120, 1.
Phalæna-Tortrix Bankiana, *Gmel. ed. Syst. Nat.* i. 5, 2497, 808.
Noctua argentula, *Esp. Schmett.* iv. pl. 163, f. 3. *Bork. Eur. Schmett.* iv. 798, 367. *Dup. Pap. de Fr.* vii. 373, pl. 123, f. 2.
Noctua olivea, *Hübn. Eur. Schmett. Noct.* pl. 60, f. 292.
Argyrostrotis olivea, *Hübn. Verz. Schmett.* 253, 2508.
Erastria argentula, *Treit. Schmett.* v. 255, 3.
Anthophila argentula, *Meig. Handb.* 185, 100; *Syst. Besch.* iii. 242, 8, pl. 120, f. 3. *Boisd. Ind. Méth.* 174, 1399.
Bankia argentula, *Guen. Noct.* ii. 231, 1014.

a—e. England. From Mr. Stephens' collection.
f—i. Europe. From M. Becker's collection.
j. ——?

2. BANKIA OLIVULA.

Alba; alæ anticæ fascia media, maculis duabus costalibus (una basali, altera exteriore) fasciaque marginali postice dilatata olivaceo-viridibus; posticæ albo-flavæ.

Bankia olivula, *Guen. Noct.* ii. 231, 1013.

North America.

3. BANKIA FURCATA.

Pallide cervina; abdomen cinereum; alæ anticæ fasciis duabus pallide luteis, una media, altera marginali, orbiculari et reniformi e annulis albis, hac incompleta, illa subrotunda; posticæ cinereæ.

Pale fawn-colour. Abdomen and hind wings cinereous. Fore wings with two pale luteous bands, the one in the middle, the other marginal; orbicular and reniform spots indicated by their white outline, which in the former is nearly round, in the latter incomplete. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

Fam. 4. ANTHOPHILIDÆ.

Anthophilidæ, *Dup. Cat.* 184; *Guen. Noct.* ii. 232.
Noctuophalænidæ, *Boisd.*

A. Palporum articulus 3us 2i triente brevior.
  A. Antennæ non pectinatæ.
    a. Caput non fasciculatum.
      a. Palpi porrecti.
        i. Alæ longiusculæ, vix latæ. - 1. GALGULA, *Guen.*
        ii. Alæ latæ. - - - 9. MICROPHYSA, *Boisd.*
      b. Palpi ascendentes.
        i. Proboscis sat longa.
          * Palpi vix pilosi. - - 4. XANTHOPTERA, *Guen.*
          ** Palpi pilosi. - - - 8. GLAPHYRA, *Guen.*
        ii. Proboscis breviuscula. - 6. ANTHOPHILA, *Ochs.*
        iii. Proboscis brevissima. - - - 5. MIORA, *Guen.*
    b. Caput fasciculatum. - - 12. SYNTHIMIA, *Hübn.*
  B. Antennæ pectinatæ. - - - - 13. TIMA, *MSS.*
B. Palporum articulus 3us 2i triente non brevior.

A. Palpi porrecti.
  A. Pedes validi. - - - - 2. LEPTOSIA, *Guen.*
  B. Pedes graciles - - - 7. PHYLLOPHILA, *Guen.*
B. Palpi ascendentes. - - - 1. HYDRELIA, *Guen.*
C. Palporum articulus 3us 2i dimidio non brevior.
A. Frons fasciculata. - - - 10. MEGALODES, *Guen.*
B. Frons non fasciculata. - - - 11. CHOBATA, *Walk.*

Genus 1. HYDRELIA.

Corpus gracile. Proboscis brevis. Palpi ascendentes; articulus 3us cylindricus, 2i triente non brevior. Antennæ simplices, corporis dimidio non breviores. Abdomen alas posticas non superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice acutæ, margine exteriore vix obliquo.

Hydrelia, *Guen. Ann. Soc. Ent. Fr.* x. 227; *Noct.* ii. 234.
Erastria, p., *Treits.*; *Steph.*
Anthophila, p., et Agrophila, p., *Boisd.*

Body slender. Proboscis short. Palpi ascending; third joint cylindrical, about one-third of the length of the second. Antennæ simple, full half the length of the body. Abdomen not extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, acute at the tips, hardly oblique along the exterior border.

Europe.

1. HYDRELIA NUMERICA.

Cinereo-olivacea; alæ anticæ fasciis quatuor undulatis lunulisque marginalibus argenteis, orbiculari et reniformi nigris albo marginatis, ciliis albo strigatis et interlineatis; posticæ pallidissime cinereæ, lunulis marginalibus obscurioribus.

Agrophila Numerica, *Boisd. Ind. Méth.* 175, 1403.
Hydrelia Numerica, *Guen. Noct.* ii. 235, 1015.

Corsica. South Spain.

2. Hydrelia unca.

Fusco-cinerea; alæ anticæ cupreo-fuscæ, costa fascia submarginali strigaque discali argenteo-albidis.

——— ———, *Engr. Pap. d'Eur.* 581, a—c.

Phalæna-Tortrix uncana, *Linn. Faun. Suec.* 1305. *Gmel. ed. Syst. Nat.* i. 5, 2498, 284. *Clerck, Icon.* pl. 3, f. 7.

Phalæna unca, *Wien. Verz.* 91, 4.

Pyralis uncana, *Fabr. Sp. Ins.* ii. 277, 8; *Mant. Ins.* ii. 225, 10; *Ent. Syst.* iii. 2, 246, 13.

Noctua unca, *Esp. Schmett.* iv. pl. 164, f. 7. *Bork. Eur. Schmett.* iv. 796, 366. *Hübn. Eur. Schmett. Noct.* pl. 60, f. 293. *Dup. Pap. de Fr.* vii. pl. 123, f. 4. *Scriba, Beitr.* pl. 10, f. 7. *Schr. Faun. Boic.* 1596.

Eustrotia unca, *Hübn. Verz. Schmett.* 253, 2505.

Phytometra unca, *Haw. Lep. Brit.* 23.

Erastria unca, *Treit. Schmett.* v. 276, 2. *Steph. Ill. Brit. Ent. Haust.* iii. 117.

Anthophila unca, *Meig. Handb.* 184, 99; *Syst. Besch.* iii. 240, 3, pl. 120, f. 2.

Agrophila unca, *Boisd. Ind. Méth.* 175, 1402.

Hydrelia unca, *Guen. Noct.* ii. 235, 1016.

a—d. England. From Mr. Stephens' collection.

e—h. England.

i, j. Europe. From M. Becker's collection.

North America.

3. Hydrelia includens.

Pallide cervina; abdomen sericeum, albido-cinereum; alæ anticæ basi, margine interiore fasciaque obliqua roseo-albidis, reniformi alba auriformi fuscescente marginata; posticæ albido-cinereæ.

Pale fawn-colour. Abdomen and hind wings silky, whitish cinereous. Fore wings whitish, and with a rosy tinge towards the base and along the interior border, and with an oblique band of the same hue proceeding from near the tip of the wing; orbicular spot obsolete; reniform white, forming an ear-shaped mark, about which and on the costa by the interior side of the band there is a brownish tinge. Length of the body 4 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Africa.

4. Hydrelia intricata.

Nigro-fusca ; abdomen cinereum ; alæ anticæ fasciis tribus obliquis undulatis extus cervinis intus albido-testaceis cinereo intersectis, costa vittaque discali schistaceis, fascia submarginali subrecta extus denticulata ; posticæ cinereæ, margine angusto nigricante.

Blackish brown. Abdomen cinereous. Fore wings with three oblique undulating bands, which are whitish testaceous on the inner side, pale fawn-colour on the outer side, and are slightly intersected by a cinereous line ; costa and a discal stripe slate-colour ; submarginal band like the other bands in colour, almost straight, denticulate along its exterior side. Hind wings cinereous, with narrow blackish borders. Length of the body 5 lines; of the wings 12 lines.

a. South Africa. Presented by Dr. A. Smith.

Asia.

5. Hydrelia semilugens.

Cinerea ; alæ anticæ dimidio basali purpurascente tinctæ, extus obscure cinereæ, fascia intermedia nigro-fusca obliqua angulata, lituris costalibus fuscis, guttis costalibus exterioribus pallidis, guttis marginalibus nigris minutis.

Cinereous. Fore wings with a purplish tinge on more than half the surface from the base ; the rest of the wing is dark cinereous, blackish brown along the line between the two colours, which line is oblique, excavated in front and angular in the middle ; some brown costal marks, and some exterior pale costal dots ; marginal dots black, minute. Length of the body 4½ lines ; of the wings 11 lines.

a. Hindostan. From Archdeacon Clerk's collection.

Country unknown.

6. Hydrelia ferruginea.

Mas. *Cervina ; abdomen cinereum ; alæ anticæ lineis duabus indistinctis basalibus guttularibus nigricantibus, linea media pallida undulata fusco marginata, gutta costali nigra, lineis duabus obliquis exterioribus pallidis fusco marginatis, linea intermedia guttulari nigricante.*

Male. Fawn-colour. Abdomen cinereous. Fore wings with two indistinct lines of blackish dots near the base, the second line approximate to a pale brown-bordered undulating line, beyond which and adjoining the reniform mark there is a black costal spot; two pale brown-bordered oblique exterior lines and a row of minute blackish dots between these lines, of which the outer one is submarginal, and has two white points in front. Length of the body 4 lines; of the wings 10 lines.

a. ———— ?
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Genus 2. LEPTOSIA.

Corpus gracile. Proboscis brevis. Palpi longi, validi, porrecti, caput longe superantes; articulus 3us lanceolatus, 2i triente non brevior. Antennæ simplices, validæ, corporis dimidio non longiores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo perparum obliquo.

Leptosia, *Guen. Ann. Soc. Ent. Fr.; Noct.* ii. 236; *Dup.*
Bryophila, p., *Boisd.*
Anthophila, p., *Treit.*

Body slender. Proboscis short. Palpi long, stout, porrect, extending far beyond the head; third joint lanceolate, full one-third of the length of the second. Antennæ simple, stout, about half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight in front, rounded at the tips, slightly convex and very slightly oblique along the exterior border.

1. Leptosia velox.

Cinerea; alæ anticæ ferrugineo subobsolete conspersæ, maculis costalibus et discalibus, lineisque indistinctis nigris albido marginatis, posticæ apud marginem interiorem nigro notatæ.

Noctua velox, *Hübn. Eur. Schmett. Noct.* f. 507, 515.
Metachrostis velox, *Hübn. Verz. Schmett.* 204, 2058.
Bryophila velox, *Boisd. Ind. Méth.* 96, 728.
Anthophila velox, *Treit. Suppl.* 150.
Anthophila anomala, *Ramb. Ann. Sci. Obs.* 1829, 257. *Boisd. Icon.* pl. 71, f. 4.

Leptosia velox, *Guen. Noct.* ii. 237, 1017.
South France.

3. LEPTOSIA MENDACULALIS.

Cinerea; alæ anticæ lineis transversis variis fuscis, fascia marginali glauca, linea submarginali nigra angulosa; posticæ lineis interruptis, basi pallidiores.

Hercyna mendaculalis, *Treit. Pyral.* vii. 185; ix. 134.
Anthophila mendaculalis, *Treit. Suppl. Noct.* x. 151. *Dup. Suppl.* iv. 388, pl. 81.
Leptosia mendaculalis, *Guen. Ann. Soc. Ent. Fr.* xi. 249; *Noct.* ii. 237, 1018.

Savoy. Dalmatia.

3. LEPTOSIA DARDOUINI.

Nigro-cinerea; alæ lineis transversis plurimis undulatis nigris.

Bryophila Dardouini, *Boisd. Ind. Méth.* 96, 727. *Herr.-Schæff. Schmett. Eur.* ii. pl. 51, f. 258.
Leptosia Dardouini, *Guen. Noct.* ii. 237, 1019.

Hyeres, South France.

4. LEPTOSIA POLYGRAMMA.

Glauca; caput et thorax anticus ferruginea; abdomen cinereum; alæ anticæ costa lineisque transversis testaceis, gutta discali nigra; posticæ cinereæ, lineis tribus testaceis.

Anthophila polygramma, *Boisd. Ind. Méth.* 174, 1392. *Dup. Suppl.* iii. 519, pl. 44, f. 3. *Herr.-Schæff. Schmett. Eur.* ii. pl. 51, f. 257.
Leptosia polygramma, *Guen. Noct.* ii. 238, 1020.

South France. Valais.

North America.

5. LEPTOSIA CONCINNIMACULA.

Canescens; alæ anticæ lineis transversis undulatis albis, litura plagaque subapicali costalibus nigricantibus, maculis albo marginatis, orbiculari guttisque marginalibus nigris.

Leptosia concinnimacula, *Guen. Noct.* ii. 238, 1021.

a. New York. Presented by E. Doubleday, Esq.

Genus 3. GALGULA.

Corpus sat gracile. Proboscis brevissima. Palpi porrecti, caput sat superantes; articulus 3us longi-conicus, minutus. Antennæ simplices, corporis dimidio non longiores. Abdomen alas posticas vix superans. Pedes graciles; tibiæ posticæ calcaribus longissimis. Alæ longiusculæ, vix latæ; anticæ apud costam subrectæ, apice angulatæ, margine exteriore sat obliquo.

Galgula, *Guen. Noct.* ii. 239.

Body rather slender. Proboscis very short. Palpi porrect, extending some distance beyond the head; third joint minute, elongate-conical, not more than one-fourth of the length of the second. Antennæ simple, about half the length of the body. Abdomen hardly extending beyond the hind wings. Legs slender; hind tibiæ with very long spurs. Wings rather long, moderately broad. Fore wings almost straight in front, angular at the tips, rather oblique along the exterior border.

1. GALGULA PARTITA.

Pallide cervina; alæ anticæ macula costali guttisque interioribus et exterioribus nigris, linea obliqua exteriore pallida; posticæ cinerascentes.

Galgula partita, *Guen. Noct.* ii. 239, 1022.

a—d. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.

2. GALGULA HEPARA.

Saturate hepatico fusca; alæ anticæ violaceo tinctæ, costa margineque interiore pallidioribus rufescente strigatæ, lineis transversis pallidioribus, submarginali e punctis albis, orbiculari et reniformi pallido marginatis; posticæ nigricantes, ciliis albo marginatis.

Galgula hepara, *Guen. Noct.* ii. 239, 1023.

North America.

Genus 4. XANTHOPTERA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi breves, graciles, subascendentes, caput vix superantes; articulus 3us minimus. Antennæ simplices, corporis dimidio valde longiores. Abdomen alas posticas perpaullo superans. Pedes sat graciles; tibiæ posticæ calcaribus longissimis. Alæ anticæ sat latæ, apud costam vix convexæ, apice rotundatæ, margine exteriore sat obliquo. *Mas.*—Sexualia longa, fasciculata.

Xanthoptera, *Guen. Noct.* ii. 240.

Body rather slender. Proboscis moderately long. Palpi short, slender, slightly ascending, hardly extending beyond the head; third joint very minute. Antennæ simple, much more than half the length of the body. Abdomen extending very little beyond the hind wings. Legs rather slender; hind tibiæ with very long spurs. Fore wings moderately long, hardly convex in front, rounded at the tips, rather oblique along the exterior border. *Male.*—Abdominal appendages long, tufted.

North America.

1. XANTHOPTERA NIGROFIMBRIA.

Straminea; alæ anticæ claviformi et reniformi e punctis duobus nigris, linea marginali nigra, ciliis nigro, plumbeis; posticæ cinereo-albidæ, margine obscuriore.

Xanthoptera nigrofimbria, *Guen. Noct.* ii. 241, 1025.

North America.

2. XANTHOPTERA SEMIFLAVA.

Flava; abdomen cinereum; alæ anticæ dimidio apicali oblique ferrugineo; posticæ cinereæ, margine fuscescente.

Xanthoptera semiflava, *Guen. Noct.* ii. 241, 1027.

a. United States. Presented by E. Doubleday, Esq.

3. XANTHOPTERA SEMICROCEA.

Flava; caput et prothorax fusca; abdomen cinereum; alæ anticæ dimidio apicali recte ferrugineo; posticæ cinereæ, margine fuscescente.

Xanthoptera semicrocea, *Guen. Noct.* ii. 241, 1027.

Guenée's description is from a figure by Abbot.

Georgia.

South America.

4. Xanthoptera Botyoides.

Flava; palpi longiusculi, apices versus fusco-fasciati; alæ anticæ nitentes, maculis discalibus e punctis tribus nigris, margine aurato-fusco, ciliis cinereo-plumbeis; posticæ albidæ, margine cinereo.

Xanthoptera Botyoides, *Guen. Noct.* ii. 240, 1024.

Brazil.

5. Xanthoptera aurifera.

Luteo-flava; abdomen cinereum; alæ anticæ lineis duabus aut tribus obliquis subobsoletis paullo obscurioribus, linea angusta nigricante marginali; ciliæ alæque posticæ cinereæ.

Luteous-yellow. Abdomen cinereous. Fore wings with two or three oblique almost obsolete slightly darker lines; a slender blackish marginal line; ciliæ and hind wings cinereous. Length of the body 4 lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

6. Xanthoptera furcata.

Pallide lutea; abdomen pallide testaceum; alæ anticæ lineis duabus transversis obscurioribus, interiore angulata, exteriore recta obliqua furcam emittente, maculis discalibus obsoletis, ciliis fuscescentibus; posticæ albæ, fuscescente marginatæ.

Pale luteous. Abdomen pale testaceous. Fore wings with two darker transverse lines, the interior one near the base, forming an acute angle; the other one exterior, straight, oblique, extending from the tip of the wing, near which it emits a branch to the costa; discal spots obsolete; ciliæ brownish. Hind wings white, with brownish borders. Length of the body 4½ lines; of the wings 10 lines.

Brazil. In Mr. Saunders' collection.

Genus 5. MICRA.

Corpus gracile. Proboscis brevissima. Palpi breves, ascendentes; articulus 3us conicus, brevissimus. Antennæ simplices, graciles, corporis dimidio non breviores. Abdomen alas posticas superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ, late ciliatæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore perparum obliquo.

Micra, *Guen. Ann. Soc. Ent. Fr.* x. 224; *Noct.* ii. 241.
Erastria et Anthophila, p., *Treits.*; *Steph.*
Anthophila, p., *Boisd.*

Body slender. Proboscis very short. Palpi short, ascending; third joint conical, minute, not more than one-fourth of the length of the second. Antennæ simple, slender, full half the length of the body. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad, deeply ciliated. Fore wings straight in front, somewhat rounded at the tips, very slightly oblique along the exterior border.

1. MICRA CANDIDANA.

Albida; alæ anticæ albo-testaceæ, punctis duobus discalibus nigris, fascia obliqua indistincta testacea.

Pyralis candidana, *Fabr. Ent. Syst.* iii. 2, 245, 11. *Coqueb. Ill. Icon.* pl. 8, f. 8.
Tortrix perlana, *Hübn. Eur. Schmett. Tort.* f. 316.
Noctua minuta, *Hübn. Eur. Schmett. Noct.* pl. 96, f. 451.
Trothisa minuta, *Hübn. Verz. Schmett.* 257, 2532.
Erastria minuta, *Treit. Schmett.* v. 266, 9.
Anthophila minuta, *Meig. Syst. Besch.* iii. 243, 11, pl. 119, f. 17. *Boisd. Ind. Méth.* 174, 1397.
Anthophila parva, *Dup. Suppl.* iii. 525, pl. 44, f. 6.
Micra candidana, *Guen. Noct.* ii. 242, 1028.

a, *b*. Europe. From M. Becker's collection.

2. MICRA SKAFIOTA.

Alba; alæ anticæ fasciis duabus obliquis, fuscis 2a lata marginali intus excisa, macula costali intermedia fusca; posticæ margine subfuscescente.

Anthophila Skafiota, *Herr.-Schæff. Schmett. Eur.* ii. pl. 56, f. 282.
Micra Skafiota, *Guen. Noct.* ii. 243, 1029.

a. South Europe. From Dr. Frivaldsky's collection.

3. Micra Elychrysi.

Albida; alæ anticæ olivaceo-cinereæ, fasciis duabus albis, interiore arcuata, exteriore dentata, linea submarginali albida undulata.

Erastria Elychrysi, *Ramb. Ann. Soc. Ent. Fr.* ii. 24, pl. 2, f. 15.

Corsica.

4. Micra viridula.

Pallide olivaceo-viridis; thorax subflavescens; palporum articulus 3us apice vix incisus; alæ anticæ fasciis albidis, basi cinereo subtinctæ, striga obliqua apicali rufescente nebulosa; posticæ cinereæ, ciliis albis.

Micra viridula, *Guen. Ann. Soc. Ent. Fr.; Noct.* ii. 244, 1031.
Anthophila Elychrysi? *Herr.-Schæff. Schmett. Eur.* ii. pl. 50, f. 250.

Austria. Hungary.

5. Micra Paula.

Alba; alæ anticæ fasciis duabus latissimis diffusis cinereis, maculis costalibus obscurioribus, punctis marginalibus nigris; posticæ cinereæ, margine obscuriore.

Noctua Paula, *Hubn. Eur. Schmett. Noct.* pl. 96, f. 452.
Trothisa Paula, *Hübn. Verz. Schmett.* 256, 2531.
Erastria Paula, *Treit. Schmett.* v. 268, 10.
Anthophila Paula, *Meig. Syst. Besch.* iii. 243, 10, pl. 119, f. 16. *Eversm. Faun. Volg-Ural.* 335. *Boisd. Ind. Méth.* 174, 1394. *Dup. Suppl.* iii. 527, pl. 44, f. 7; pl. 47, f. 2.
Micra Paula, *Guén. Noct.* ii. 244, 1033.

a—d. Europe. From M. Becker's collection.
e, f. Europe.

6. Micra parva.

Testacea; abdomen albidum; alæ anticæ punctis nonnullis nigris, fasciis duabus obliquis cervinis albido marginatis; posticæ albidæ, margine subcervino.

Noctua parva, *Hübn. Eur. Schmett. Noct.* f. 356.
Eromene parva, *Hübn. Verz. Schmeet.* 256, 2530.
Anthophila parva, *Treit. Schmett.* v. 269. *Boisd. Ind. Méth.* 174, 1396.
Anthophila minuta, *Dup. Suppl.* iii. 557, pl. 47, f. 1.
Micra parva, *Guen. Noct.* ii. 246, 1037.

a. South Europe. From Dr. Frivaldsky's collection.

7. Micra ostrina.

Albida; caput lutescens; alæ anticæ fasciis duabus plus minusve diffusis radiatis purpurascentibus, plaga costali lineaque submarginali undulata dentata albis; posticæ cinereæ, ciliis albis.

Noctua ostrina, *Hübn. Eur. Schmett. Noct.* f. 399, 648.
Eromene ostrina, *Hübn. Verz. Schmett.* 256, 2529.
Anthophila ostrina, *Treit. Schmett.* v. 270. *Eversm. Faun. Volg-Ural.* 335. *Boisd. Ind. Méth.* 174, 1384. *Dup. Suppl.* iii. 514, pl. 44. *Curt. Brit. Ent.* pl. 140. *Steph. Ill. Brit. Ent. Haust.* iii. 119.
Micra ostrina, *Guen. Noct.* ii. 246, 1039.

a—e. Europe. From M. Becker's collection.

8. Micra purpurina.

Flava, subtus cana; abdomen canum; pedes antici supra rosei; alæ anticæ roseæ, linea transversa flexuosa saturatiore, triente basali flava fulvescente-marginata, margine exteriore canescente linea transversa rosea; posticæ cinereæ, basi pallidiores.

——— ———, *Engr. Pap. d'Eur.* 539, a—c.
Noctua purpurina, *Wien. Verz.* 88, 9. *Fabr. Mant. Ins.* ii. 167, 215; *Ent. Syst.* iii. 2, 90, 268. *Esp. Schmett.* iv. pl. 163, f. 4. *Bork. Eur. Schmett.* iv. 655, 279. *Hübn. Eur. Schmett. Noct.* pl. 61, f. 298. *Dup. Pap. de Fr.* vii. pl. 123, f. 7.
Phalæna-Noctua purpurina, *Gmel. ed. Syst. Nat.* i. 5, 2577, 1178.
Anthophila purpurina, *Treit. Schmett.* v. 276, 2. *Meig. Syst. Besch.* iii. 241, 6, pl. 120, f. 7. *Eversm. Faun. Volg-Ural.* 336. *Boisd. Ind. Méth.* 173, 1383. *Zeller, Ent. Zeit. Stett.* vi. 356.
Porphyrinia purpurina, *Hübn. Verz. Schmett.* 256, 2527.
Micra purpurina, *Guen. Noct.* ii. 247, 1040.

a, b. Europe. From M. Becker's collection.

West Indies.

9. Micra minima.

Var.? *Albida; alæ anticæ fasciis duabus obliquis diffusis rufo-ferrugineis, punctis paucis nigris.*

Micra minima, *Guen. Noct.* ii. 246, 1038.

Isle St. Thomas.

a. United States. Presented by E. Doubleday, Esq.

South America.

10. Micra debilis.

Alba, flavo ex parte tincta; abdomen cinereum, basi album; alæ anticæ linea recta indistincta fulva, extus æneo tinctæ; posticæ æneo marginatæ.

White, tinged here and there with yellow. Abdomen cinereous, white at the base. Fore wings with a straight indistinct tawny line, extending from near the tip of the costa to the middle of the interior border; an æneous tinge between this line and the exterior border. Hind wings with a slender æneous border. Length of the body 3½ lines; of the wings 8 lines.

a. Venezuela. From Mr. Dyson's collection.

Africa.

11. Micra recta.

Pallide ochracea, rufo-conspersa, costa pallida, linea apicali obliqua recta ochracea intus fusco nebulosa lineaque altera apicali subobsoleta angulum fingentibus, macula subapicali obscura, linea marginali rufa, ciliis fuscescentibus apice albis; posticæ albo-ochraceæ, margine rufescente, ciliis pallidis.

Micra recta, *Guen. Noct.* ii. 245, 1034.

Sierra Leone?

12. Micra exigua.

Alba; alæ anticæ fasciis duabus obliquis fuscescentibus subcontiguis ex parte connexis, guttis paucis minutis submarginalibus unaque discali nigris; posticæ margine subcinerascente.

White. Fore wings with two oblique nearly contiguous and

partly connected brownish bands, which occupy the exterior two-thirds of the wing, the white space between them very irregular; one discal and a few submarginal minute black dots. Hind wings with slightly cinereous borders. Length of the body 2 lines; of the wings 5 lines.

a. Presented by the Rev. D. F. Morgan.

13. MICRA TINEOIDES.

Alba; alæ anticæ apud costam fusco conspersæ, fascia exteriore perobliqua fusca intus diffusa, maculis duabus discalibus nigro conspersis, margine exteriore cinereo.

White. Fore wings speckled with brown along the costa, and with a very oblique brown band beyond the middle; this band is diffuse on the interior side, but is well defined on the exterior one; two spots composed of black flecks in a line on the disk; exterior border cinereous. Length of the body 2½ lines; of the wings 6 lines.

a. Port Natal. From Dr. Krauss' collection.

Mauritius.

14. MICRA CONCHYLIOIDES.

Pallide straminea; alæ anticæ angustæ, lineis duabus obliquis rectis fuscescentibus, nebula intermedia subrosea, striga brevi fuscescente nigro punctata apud angulum interiorem; posticæ albidæ, linea marginali fuscescente.

Micra conchylioides, *Guen. Noct.* ii. 245, 1035.

Isle Bourbon. Mauritius.

Asia.

15. MICRA WAGNERI.

Viridescente-cinerea; palporum articulus 3us apice valde incisus; alæ anticæ rufescente tinctæ, fascia media obliqua lineaque marginali albis; posticæ cinereæ, ciliis albis cinereo bilineatis.

Micra Wagneri, *Guen. Noct.* ii. 244, 1032.

Amasieh, Asia Minor.

Australia.

16. Micra rosita.

Flavescens; alæ anticæ angustæ, lineis duabus obliquis rectis fuscescentibus, spatio intermedio roseo, striga apud angulum interiorem brevi fuscescente nigro punctata antice flava; posticæ albæ, linea marginali fuscescente.

Micra rosita, *Guen. Noct.* ii. 245, 1036.

Australia.

17. Micra derogata.

Flavescente-alba; abdomen vix testaceum; alæ anticæ fascia lata obliqua rosea intus cervino marginata extus postice dilatata, fascia marginali cervina intus postice nigro notata; posticæ albidæ, margine subfuscescente.

Yellowish white. Abdomen with a slight testaceous tinge. Fore wings with a broad oblique rosy band, which is bordered with fawn-colour on its interior side, and is dilated hindward on its exterior side; a fawn-coloured marginal band marked with black hindward on its interior side. Hind wings whitish, with pale brownish borders. Length of the body 2½ lines; of the wings 7 lines.

a. Australia. Presented by J. Hunter, Esq.
b. Sydney. From Mr. Stevens' collection.

Genus 6. ANTHOPHILA.

Corpus gracile. Proboscis breviuscula. Palpi ascendentes; articulus 3us longi-conicus, 2i triente brevior. Antennæ simplices, corporis dimidio perparum longiores. Abdomen alas posticas perparum superans. Pedes sat graciles; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud coctam rectæ, apice subangulatæ, margine exteriore perparum convexo et obliquo.

Anthophila, *Ochs.; Treit.; Boisd.; Dup.; Guen. Ann. Soc. Ent. Fr.* x. 223; *Noct.* ii. 247.

Body slender. Proboscis rather short. Palpi ascending; third joint elongate-conical, not one-third of the length of the second. Antennæ simple, very little more than half the length of the body. Abdomen extending very little beyond the hind wings. Legs rather slender; hind tibiæ with long spurs. Wings mode-

rately broad. Fore wings straight in front, somewhat angular at the tips, very slightly convex and oblique along the exterior border.

Europe.

1. Anthophila Pannonica.

Albida; alæ anticæ flavæ, fascia lata exteriore glauca albido lineata, margine exteriore cervino; posticæ albidæ, margine lato cinereo, ciliis testaceis.

Anthophila Pannonica, *Frey. Beitr.* iv. pl. 330, f. 3, 4. *Guen. Noct.* ii. 249, 1043.
Anthophila Kindermannii, *Boisd. Ind. Méth.* 174, 1387. *Herr.-Schæff. Schmett. Eur.* ii. pl. 50, f. 253, 254.
Anthophila lenis, *Eversm. Faun. Volg-Ural.* 338.

Hungary. South Russia.

2. Anthophila Rosina.

Alba; alæ anticæ pallide purpureæ, fascia viridescente intus palliidiore extus angulata alboque marginata, fascia exteriore subduplicata purpurea, apud apicem interrupta viridescente.; posticæ margine lato subcinereo.

Noctua rosina, *Hübn. Eur. Schmett. Noct.* f. 299.
Porphyrinia rosina, *Hübn. Verz. Schmett.* 256, 2527.
Anthophila rosina, *Eversm. Faun. Volg-Ural.* 337. *Dup. Suppl.* iv. 237, pl. 70. *Zeller, Ent. Zeit. Stett.* vi. 356. *Guen. Noct.* ii. 250, 1045.
Anthophila purpurina, *var.? Boisd. Ind. Méth.* 173, 1383.

a—d. Europe. From M. Becker's collection.

3. Anthophila amæna.

Alba; alæ anticæ ex parte cinereæ, fasciis duabus diffusis undulatis fuscescentibus albo marginatis, punctis tribus discalibus nonnullisque marginalibus nigris; posticæ albidæ, fasciis nonnunquam quatuor cinereis.

Noctua amæna, *Hübn. Eur. Schmett. Noct.* f. 300.
Noctua respersa, *Hübn. Beitr.* pl. 2, H. *Bork. Eur. Schmett.* iv. 265.
Eublemma amæna, *Hübn. Verz. Schmett.* 256, 2526.

Anthophila amæna, *Treit. Schmett.* v. 283. *Eversm. Faun. Volg-Ural.* 340. *Boisd. Ind. Méth.* 174, 1390. *Dup. Suppl.* iii. 584, pl. 48, f. 6. *Guen. Noct.* ii. 250, 1046.

a—d. Europe. From M. Becker's collection.

4. ANTHOPHILA ALBIDA.

Alba; alæ anticæ marginem versus cinereo nebulosæ, lineis exteriore et submarginali approximatis parallelis linea media rufa subrecta intersectis, striga apicali rufa, punctis tribus nigris, ciliis apice rufescentibus; posticæ albæ, fascia submarginali vaga cinerea.

Anthophila albida, *Dup. Suppl.* iv. 382, pl. 81, f. 1. *Guen. Noct.* ii. 250, 1047.

South Spain? Algeria.

5. ANTHOPHILA GRATA.

Alba; palpi longiusculi, articulo 3o bene determinato; antennæ pubescentes, subciliatæ; alæ anticæ validæ, velutinæ, lineis fuscescentibus vix conspicuis, nebula media lineaque exteriore rotundatis subparallelis, submarginali pallida fundo fuscescente, orbiculari e puncto nigro, reniformi e squamis fuscis; posticæ albæ, cinereo tinctæ, ciliis candidis.

Anthophila grata, *Boisd. MSS. Guen. Noct.* ii. 251, 1048.

South Spain.

6. ANTHOPHILA ALBICANS.

Alba; palpi subrufescentes; alæ anticæ rufescente-albæ, apud costam subexcavatæ, apice elongatæ, margine rotundato, puncto diseali fusco; posticæ margine subobscuro.

Hæmerosia albicans, *Ramb. Faun. Andal. Boisd. Ind. Meth.* 164, 1314.

Anthophila albicans, *Guen. Noct.* ii. 251, 1049.

Andalusia.

7. ANTHOPHILA PARALLELA.

Cana; alæ anticæ fasciis obliquis arcuatis parallelis (1a *latiore*), *fasciisque duabus exterioribus viridi-cinereis; macula costali subapicali alba; posticæ cinereæ, ciliis apice albis.*

Anthophila parallela, *Eversm. Faun. Volg-Ural.* 339. *Dup. Suppl.* iv. 86, pl. 57, f. 6. *Freyer, Neue Beitr.* pl. 360, f. 1; *Ent. Zeit. Stett.* ii. 110. *Herr.-Schæff. Schmett. Eur.* ii. pl. 59, f. 299. *Guen. Noct.* ii. 252, 1050.

South Russia.

a—g. Europe. From M. Becker's collection.

8. ANTHOPHILA CONCINNULA.

Glaucescens; abdomen cinereum; alæ anticæ costa basi fasciisque tribus angulatis albis, maculis duabus discalibus unaque costali subapicali nigro-fuscis; posticæ cinereæ, margine nigricante.

Anthophila concinnula, *Boisd. Ind. Méth.* 1393. *Freyer, Neue Beitr.* pl. 360, f. 2; *Ent. Zeit.* ii. 110. *Herr.-Schæff. Schmett. Eur.* ii. pl. 51, f. 252.

Anthophila pusilla, *Eversm. Bull. Soc. Imp. Mosc.* 1837, 1; *Faun. Volg-Ural.* 339. *Guen. Noct.* ii. 253, 1051.

Anthophila proxima, *Fisch. Bull. Mosc.* 1840, 88.

South Russia.

9. ANTHOPHILA PURA.

Albida; alæ anticæ linea obliqua margineque exteriore cervinis, ciliis testaceis basi albis.

Noctua pura, *Hübn. Eur. Schmett. Noct.* f. 579.

Ecthetis pura, *Hübn. Verz. Schmett.* 257, 2533.

Anthophila pura, *Boisd. Ind. Méth.* 174, 1398. *Guen. Noct.* ii. 253, 1052.

a, b. Europe. From M. Becker's collection.

West Indies.

10. ANTHOPHILA ERECTA.

Pallide testacea; alæ anticæ lineis quatuor albidis obscuro marginatis, 1a et 2a subrectis, 3a et 4a arcuatis, guttis duabus apud maculam reniformem guttisque submarginalibus nigricantibus; posticæ albidæ, testaceo marginatæ.

Pale testaceous. Fore wings with four whitish lines, with darker borders; first and second lines interior, nearly straight;

third and fourth exterior curved; orbicular spot obsolete; reniform distinguished by two blackish dots; a row of minute submarginal blackish dots. Hind wings whitish, with slightly testaceous borders. Length of the body 4 lines; of the wings 10 lines.

a, *b*. St. Domingo. From Mr. Tweedie's collection.
c. St. Domingo.

Africa.

11. Anthophila foedosa.

Sordide alba; alæ anticæ squamis fuscis, apud marginem ferrugineo tinctæ, striga parva obliqua apicali fusca, maculis discalibus e punctis duobus nigris, striga discali fusca; posticæ flavescente-albæ.

Anthophila foedosa, *Guen. Noct.* ii. 254, 1053.

Cape.

12. Anthophila numida.

Caput squamoso-flavescens; antennæ fusco-rufescentes; thorax et abdomen alba; alæ anticæ supra subtusque flavescentes, ad apicem macula rufescente ornatæ, hac nigro unipunctata; posticæ fimbriaque albæ.

Anthophila numida, *Lucas, Explor. Scient. de l'Alger. Anim. Artic.* iii. 388, 119, pl. 3, f. 8.

Algiers.

Asia.

13. Anthophila Amasina.

Albida; alæ anticæ flavæ, dimidio exteriore roseo, linea undulata guttisque submarginalibus albidis nigro marginatis, margine exteriore pallidiore; posticæ cinereæ, basi ciliisque albidis.

Anthophila Amasina, *Herr.-Schæff. Schmett. Eur.* ii. pl. 56, f. 280. *Guen. Noct.* ii. 249, 1044.

Amasieh, Asia Minor.

14. Anthophila indecisa.

Pallidissime albido-cervina; abdomen albidum; alæ anticæ lineis pallide luteis vix conspicuis, maculis discalibus obsoletis; posticæ albæ, margine cinerascente.

Very pale whitish fawn-colour. Abdomen whitish. Fore wings with pale very indistinct luteous lines; discal spots obsolete. Hind wings white, with slight cinereous borders. Length of the body 4½ lines; of the wings 12 lines.

a. Punjaub. Presented by General Hearsay.

15. ANTHOPHILA MARGINALIS.

Testacea; caput antice et palpi supra fusca; thorax postice et abdomen alba; alæ anticæ costa, margine interiore ciliisque roseis; orbiculari et reniformi obsoletis; posticæ albidæ, testaceo marginatæ.

Testaceous. Head in front and palpi above brown. Thorax hindward and abdomen white. Fore wings rosy along the costa and along the interior border, and with rosy ciliæ; orbicular and reniform spots obsolete. Hind wings whitish, with testaceous borders. Length of the body 5 lines; of the wings 12 lines.

a. North India. From Mr. Stevens' collection.

Country unknown.

16. ANTHOPHILA LINEATA.

Albida; alæ anticæ fasciis quatuor rectis obliquis subæneis, 4a marginali indistincta, maculis discalibus obsoletis; posticæ margine subæneo.

Whitish. Fore wings with four straight oblique slightly æneous bands; fourth band marginal, indistinct; discal spots obsolete. Hind wings with slightly æneous borders. Length of the body 3—4 lines; of the wings 9—11 lines.

a, b. ———?

17. ANTHOPHILA DIVERGENS.

Pallide testaceo-cervina; abdomen pallide testaceum; alæ anticæ lineis duabus obliquis albidis apud medium approximatis, maculis discalibus obsoletis; posticæ pallidissime testaceæ, margine obscuriore.

Pale testaceous fawn-colour. Abdomen pale testaceous. Fore wings with two oblique whitish lines, which diverge from each other in front and behind; discal spots and the other marks obso-

lete. Hind wings very pale testaceous, with rather darker borders. Length of the body 4½ lines; of the wings 11 lines.

a. ——— ?

Genus 7. PHYLLOPHILA.

Corpus gracile. Proboscis brevissima. Palpi porrecti, caput perpaullo superantes; articulus 3us lanceolatus, 2i triente non brevior. Antennæ simplices, corporis dimidio paullo longiores. Abdomen alas posticas vix superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore subobliquo.

Phyllophila, *Guen. Noct.* ii.

Body slender. Proboscis very short. Palpi porrect, extending very little beyond the head; third joint lanceolate, about one-third of the length of the second. Antennæ simple, a little more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, slightly angular at the tips, slightly oblique along the exterior border.

1. Phyllophila Wimmerii.

Cana; alæ anticæ fasciis indistinctis et incompletis fuscescentibus, macula discali guttisque marginalibus nigricantibus; posticæ ciliis albis.

Anthophila Wimmerii, *Treit. Suppl.* x. 148. *Frey. Beitr.* 511, pl. 162, f. 4, 5. *Dup. Suppl.* iii. 516, pl. 44, f. 2. *Boisd. Ind. Méth.* 174, 1391. *Herr.-Schæff. Schmett. Eur.* ii. pl. 50, f. 255.

Phyllophila Wimmerii, *Guen. Noct.* ii. 254, 1054.

Var. Anthophila obliterata, *Ramb. Ann. Soc. Ent. Fr.* ii. 27, pl. 2, f. 17.

a, *d*. Europe. From M. Becker's collection.

Genus 8. GLAPHYRA.

Corpus gracile. Proboscis mediocriter longa. Palpi pilosi, mediocriter longi, oblique ascendentes; articulus 3us cylindricus, breviusculus. Antennæ corporis dimidio longiores. Abdomen alas posticas non superans. Pedes sat graciles; tibiæ posticæ calcaribus

longissimis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subangulatæ aut parum rotundatæ, margine exteriore plus minusve obliquo et convexo. *Mas.*—Antennæ subciliatæ.

Glaphyra, *Guen. Ann. Soc. Ent. Fr.* x. 232; *Noct.* ii. 255.
Anthophila, p., *Treits.*; *Boisd.*

Body slender. Proboscis moderately long. Palpi pilose, moderately long, obliquely ascending; third joint cylindrical, not more than one-fourth of the length of the second. Antennæ more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather slender; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight in front, slightly angular or somewhat rounded at the tips, more or less slightly oblique and convex along the exterior border. *Male.*—Antennæ slightly ciliated.

1. Glaphyra glarea.

Alba aut cana; alæ fasciis indistinctis testaceis aut cinereis; anticæ breviores, minus acutæ, maculis costalibus obscurioribus punctis submarginalibus nigris.

Anthophila glarea, *Treit. Schmett.* v. 282; *Suppl.* 148. *Frey. Beitr.* 135, f. 2. *Herr.-Schæff. Schmett. Eur.* ii. pl. 51, f. 259.
Glaphyra glarea, *Guen. Noct.* ii. 256, 1055.

Dalmatia.

2. Glaphyra cretula.

Alba aut cana; alæ fasciis indistinctis testaceis, aut cinereis; anticæ longiores, plus acutæ, maculis costalibus obscurioribus, punctis submarginalibus nigris.

Anthophila cretula, *Freyer, Neue Beitr.* pl. 360, f. 4, 5; *Ent. Zeit. Stett.* ii. 110.
Anthophila glarea, *Boisd. Ind. Méth.* 174, 1389. *Dup. Suppl.* iii. 561, pl. 47.
Glaphyra cretula, *Guen. Noct.* ii. 256, 1056.

a, *b*. Europe. From M. Becker's collection.

Genus 9. MICROPHYSA.

Corpus gracile. Proboscis brevissima. Palpi porrecti, caput sat superantes; articulus 3us conicus, minimus. Antennæ corporis dimidio vix longiores. Abdomen alas posticas non superans. Pedes mediocriter validi; tibiæ posticæ calcaribus longissimis. Alæ latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore vix obliquo. *Mas.*—Antennæ ciliatæ.

Microphysa, *Boisd. Guen. Ann. Soc. Ent. Fr.* x. 233.
Ophiusa, p., *Treits.*

Body slender. Proboscis very short. Palpi porrect, extending rather beyond the head; third joint conical, very minute, not more than one-sixth part of the length of the second. Antennæ hardly more than half the length of the body. Abdomen not extending beyond the hind wings. Legs moderately stout; hind tibiæ with very long spurs. Wings broad. Fore wings straight in front, slightly rounded at the tips, hardly oblique along the exterior border. *Male.*—Antennæ moderately ciliated.

1. MICROPHYSA REGULARIS.

Violaceo aut fuscescente-cinerea; alæ anticæ rotundatæ, triente apicali fusco nitido, linea intermedia ochracea, subarcuata extus nigro lineolata, fascia interiore nigra vaga, reniformi e striga angusta nigra.

Noctua regularis, *Hübn. Eur. Schmett.* Noct. f. 588.
Odice regularis, *Hübn. Verz. Schmett.* 258, 2541.
Ophiusa regularis, *Treit. Schmett.* v. 315. *Eversm. Faun. Volg-Ural.* 344. *Dup. Suppl.* iii. 521, pl. 44.
Microphysa regularis, *Boisd. Ind. Méth.* 171, 1370. *Guen. Noct.* ii. 259, 1059.

South Russia.

2. MICROPHYSA INAMÆNA.

Fusco-cinerea; alæ anticæ fasciis tribus una mediana duabusque exterioribus undulatis fuscis pallido marginatis; posticæ cinereæ, macula margineque nigricantibus.

——— ———, *Engr. Pap. d'Eur.* 537, a—c.
Noctua inamæna, *Hübn. Eur. Schmett. Noct.* f. 301, 302.
Odice inamæna, *Hübn. Verz. Schmett.* 258, 2540.

Ophiusa inamæna, *Treit. Schmett.* v. 285. *Frey. Beitr.* iv. 365, f. 1, 2; *Ent. Zeit. Stett.* ii, 111. *Eversm. Faun. Volg-Ural.* 343. *Dup. Suppl.* iii. 504, pl. 43.

Microphysa inamæna, *Boisd. Ind. Méth.* 170, 1367. *Guen. Noct.* ii. 259, 1060.

Austria. Hungary.

a—c. Europe. From M. Becker's collection.

3. Microphysa ingrata.

Straminea; alæ anticæ strigis duabus costalibus, fascia intermedia guttisque submarginalibus albis cinereo marginatis, macula apicali nigra, margine cinereo; posticæ fasciis tribus albis cinereo marginatis, margine cinereo.

Noctua inamæna, *var.* ingrata, *Frey. Beitr.* pl. 365, f. 3.

Microphysa inamæna, *var.* ingrata, *Herr.-Schæff. Schmett. Eur.* ii. f. 278, 279.

Microphysa ingrata, *Boisd. MSS. Guen. Noct.* ii. 259, 1061.

South Spain.

4. Microphysa suava.

Ferruginea; abdomen cinerascens; alæ anticæ fascia media arcuata alba intus nigro marginata, linea submarginali albida incompleta undulata, maculis discalibus obsoletis, ciliis cinereis; posticæ fuscæ, basi cinereæ, fasciis duabus incompletis albis.

Noctua suava, *Hübn. Eur. Schmett. Noct.* f. 578. *Frey. Beitr.* iv. pl. 365, f. 4, 5.

Eublemma suava, *Hübn. Verz. Schmett.* 256, 2525.

Ophiusa suava, *Treit. Suppl.* 157.

Microphysa suava, *Boisd. Ind. Méth.* 170, 1368. *Guen. Noct.* ii. 260, 1062.

South France. Spain. Hungary.

Var.? Ferruginous. Abdomen somewhat cinereous. Fore wings with a white curved middle band, which is diffusedly bordered with black on its interior side; submarginal line whitish, incomplete, undulating; discal spots obsolete; ciliæ cinereous. Hind wings brown, cinereous at the base, with two irregular and incomplete white bands. Length of the body 5 lines; of the wings 12 lines.

Var. *Cervina; abdomen cinerascens; alæ anticæ lineis tribus undulatis ferrugineis, linea submarginali subrecta diffusa indistincta, litura costali alba, maculis discalibus obsoletis, guttis marginalibus nigricantibus, ciliis cinereis; posticæ pallide cinereæ, lineatæ, ferrugineo marginatæ.*

Fawn-colour. Abdomen more cinereous. Fore wings with three undulating ferruginous lines, which are most distinct towards the costa; submarginal line nearly straight, diffuse and indistinct; marginal dots blackish; discal spots obsolete; a white mark on the costa by the second line; ciliæ cinereous. Hind wings pale cinereous, with ferruginous borders; their lines much like those of the fore wings. Length of the body 5½ lines; of the wings 13 lines.

a. From M. Becker's collection.

5. Microphysa jucunda.

Fusco-cinerea fascia pallida; alæ anticæ fasciis tribus variis fuscis, una exteriore diffusa cervina, gutta costali subapicali albida; posticæ maculis duabus discalibus albis.

Noctua jucunda, *Hübn. Eur. Schmett. Noct.* pl. 103, f. 486; pl. 105, f. 492. *Dup. Hist. Nat. Lép. Fr.* vii. 280, pl. 117, f. 6.

Melipotis jucunda, *Hübn. Verz. Schmett.* 260, 2559.

Ophiusa jucunda, *Treit. Schmett.* v. 314, 14. *Meig. Syst. Besch.* iii. 208, 11, pl. 113, f. 10.

Microphysa jucunda, *Boisd. Ind. Méth.* 170, 1369. *Guen. Noct.* ii. 260, 1063.

Ennychia sepulchralis, *Treit. Schmett.* vii. 199. *Frey. Beitr.* pl. 84, f. 4. *Meig. Syst. Besch.* iii. 236, 5, pl. 123, f. 5.

a. Europe. From M. Becker's collection.

North America.

6. Microphysa sobria.

Fuscescente-cervina; abdomen cinereum lineis subobliquis subrectis fere obsoletis, submarginali conspicua guttulari lunulisque marginalibus nigro-fuscis, maculis discalibus obsoletis; posticæ fascia discali margineque pallide cervinis.

Brownish fawn-colour. Abdomen cinereous. Fore wings with the lines slightly oblique, nearly straight, almost obsolete, except the submarginal one, which is composed of dark brown dots; marginal lunules dark brown; discal spots obsolete. Hind wings with

a discal band, and the border paler fawn-colour. Length of the body 5½ lines; of the wings 14 lines.

a. United States. From Mr. Dyson's collection.

Africa.

7. Microphysa arvorum.

Mas. *Cinereo-fusca; alæ anticæ dimidio postico obscuriore, linea intermedia nigra arcuata intus rufescente. lineolata, macula nigra, lituris ciliis multis aut subobsoletis; posticæ cinereæ.*

Microphysa arvorum, *Guen. Noct.* ii. 258, 1057.

Cape.

8. Microphysa Namacensis.

Cinerascens; palpi nigri, basi albi; alæ anticæ sericeæ, lineis parallelis undulatis nigricantibus, reniformi flava nigro marginata, fascia submarginali fusca cinerea lineata, lineolis marginalibus nigricantibus; posticæ pallidiores, margine lato lineisque duabus nigricantibus.

Microphysa Namacensis, *Guen. Noct.* ii. 258, 1058.

South Africa.

Country unknown.

9. Microphysa contracta.

Fuscescente-cinerea; alæ anticæ nigro-fuscæ, fascia media lata obliqua fusco cinerea albo marginata medio contracta, linea submarginali albida subrecta; posticæ paullo pallidiores.

Brownish cinereous. Abdomen a little paler than the thorax. Fore wings blackish brown, with a broad oblique brownish cinereous middle band, which is bordered with white, and is widened in front and behind; submarginal line whitish, almost straight. Hind wings a little paler than the fore wings. Length of the body 4½ lines; of the wings 11 lines.

a, *b*. ——— ? From Mr. Milne's collection.

Genus 10. MEGALODES.

Corpus sat gracile. Frons fasciculata. Proboscis brevis. Palpi porrecti, caput superantes; articulus 3us cylindricus, 2i dimidio longior. Antennæ validæ. Abdomen alas posticas paullo superans. Pedes sat graciles; tibiæ posticæ calcaribus longis. Alæ longiusculæ, sat latæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore sat obliquo. *Mas.*—Antennæ serratæ, breviusculæ. *Fœm.*—Antennæ simplices, longiores.

Megalodes, *Guen. Noct.* ii. 261.

Body rather slender. Front tufted. Proboscis short. Palpi porrect, extending beyond the head; third joint cylindrical, more than half the length of the second. Antennæ stout. Abdomen extending a little beyond the hind wings. Legs rather slender; hind tibiæ with long spurs. Wings rather long, moderately broad. Fore wings straight in front, angular at the tips, rather oblique along the exterior border. *Male.*—Antennæ serrated, rather short. *Female.*—Antennæ longer, simple.

1. Megalodes eximia.

Olivaceo-cinerea; capitis fasciculus apice niger; alæ anticæ fasciis tribus obliquis et macularum marginibus albidis, fascia 2a angulata; posticæ fascia subobsoleta ciliisque albidis.

Noctua eximia, *Herr.-Schæff. Schmett. Eur.* ii. pl. 78, f. 399.
Megalodes eximia, *Guen. Noct.* ii. 261, 1064.

Amasich.

a, *b*. Asia Minor. From M. Becker's collection.

Genus 11. CHOBATA.

Mas. Corpus gracile. Proboscis brevis. Palpi graciles, subascendentes; articulus 3us cylindricus, 2i dimidio non brevior. Antennæ subpectinatæ, corporis dimidio multo longiores. Abdomen alas posticas paullo superans, apice fasciculatum. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ anticæ latiusculæ, apice subrotundatæ, margine exteriore perparum obliquo.

Male. Body slender. Proboscis short. Palpi slender, slightly ascending; third joint cylindrical, about half the length of the

second. Antennæ slightly pectinated, much more than half the length of the body. Abdomen extending a little beyond the hind wings, tufted at the tip. Legs rather stout; hind tibiæ with long spurs. Fore wings rather broad, somewhat rounded at the tips, very slightly oblique along the exterior border.

1. CHOBATA DISCALIS.

Mas. *Alba; caput et thorax ex parte fusca; abdomen pallide testaceum; alæ anticæ æneo-fuscæ, nigro conspersæ, basi ex parte, striga brevi lata arcuata, lineis duabus undulatis strigaque apud angulum interiorem albis, linea submarginali angulosa lineaque marginali interrupta nigris; posticæ margine fuscescente.*

Male. White. Head and thorax partly brown. Abdomen pale testaceous. Fore wings æneous-brown, speckled with black, partly white near the base, and with a short broad curved white streak, which extends from the costa outward; two undulating white lines, the first shortened in front by the white streak, the second dilated in front; a white streak by the interior angle, slightly tinged with purple, as is some of the white elsewhere; submarginal line black zigzag; an interrupted black marginal line. Hind wings white, with pale brownish borders. Length of the body 4 lines; of the wings 9 lines.

a. St. Domingo. From Mr. Stevens' collection.

Genus 12. SYNTHIMIA.

Corpus gracile. Frons fasciculata. Proboscis brevis. Palpi porrecti, fasciculum non superantes; articulus 3us minutus, conicus. Antennæ simplices, corporis dimidio paullo longiores. Pedes sat graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore subobliquo fere recto.

Synthimia, *Hübn. Verz. Schmett.* 282.
Euclidia, p., *Treit.*; *Boisd.*
Metoptria, *Guen. Noct.* ii. 261.

Body slender. Head tufted in front. Proboscis short. Palpi porrect, not extending beyond the tuft; third joint minute, conical. Antennæ simple, a little more than half the length of the body. Legs rather slender; hind tibiæ with long spurs. Wings somewhat

broad. Fore wings straight in front, angular at the tips, slightly oblique, and almost straight along the exterior border.

1. SYNTHYMIA MONOGRAMMA.

Cinerascens; abdomen lutescens; alæ anticæ fascia interiore, maculis discalibus lineaque submarginali albidis; posticæ luteæ, basi margineque fuscis.

Noctua monogramma, *Hübn. Eur. Schmett. Noct.* pl. 76, f. 353. *God. Pap. de Fr.* v. 92, pl. 51, f. 4, 5.
Synthimia monogramma, *Hübn. Verz. Schmett.* 282, 2764.
Euclidia monogramma, *Treit. Schmett.* v. 389, 1. *Meig. Syst. Besch.* iii. 246, 1, pl. 118, f. 7. *Boisd. Ind. Méth.* 172, 1378.
Metoptria monogramma, *Guen. Noct.* ii. 262, 1065.

a, b. Europe. From M. Becker's collection.
c. France. From Dr. Leach's collection.
d. Pyrenees. Presented by M. Pierret.
e. Gibraltar. From Mr. Milne's collection.
f, g. ——? From Mr. Milne's collection.
h—k. ——?

Genus 13. TIMA.

Corpus gracile. Proboscis brevissima. Palpi breves, graciles, porrecti, caput non superantes; articulus 3us conicus, minimus. Antennæ corporis dimidio fere breviores. Abdomen alas posticas vix superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ vix latæ, apice angulatæ, margine exteriore sat obliquo. *Mas.* —Antennæ pectinatæ.

Tima, *MSS.*

Body slender. Proboscis very short. Palpi short, slender, porrect, not extending beyond the head; third joint conical, very minute, less than one-fourth of the length of the second. Antennæ hardly half the length of the body. Abdomen hardly extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings hardly broad. Fore wings straight in front, angular at the tips, rather oblique along the exterior border. *Male.*—Antennæ moderately pectinated.

1. TIMA MARGARITA.

Rosea; abdomen albido-testaceum; alæ anticæ basi fasciaque marginali postice dilatata luteis, strigis duabus basalibus tribusque variis discalibus albis; posticæ albido-testaceæ ciliis roseis.

Phalæna margarita, *Drury, Ins.* iii. pl. 21, f. 6.

a. North Hindostan. From Mr. James' collection.
b, c. ———? From M. Becker's collection.

Fam. 5. PHALÆNOIDÆ.

Phalænoidi, *Guen. Ann. Soc. Ent. Fr.* x. 217.
Phalænoidæ, *Guen. Noct.* ii. 263.
Noctuo-Phalænides, *Boisd.*

Genus 1. ARCHIEARIS.

Corpus gracile. Caput pilosissimum. Proboscis brevissima. Palpi subobsoleti. Antennæ corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles; tibiæ posticæ calcaribus minimis. Alæ latæ; anticæ apud costam rectæ, apice subrotundatæ, margine subconvexo et subobliquo. *Mas.*—Antennæ serratæ aut subpectinatæ.

Archiearis, *Hübn. Verz. Schmett.* 279.
Brephos, *Ochs.; Treit.; Boisd.; Steph.; Curt.; Guen. Ann. Soc. Ent. Fr.* x. 219; *Noct.* ii. 264.

Body slender. Head very pilose. Proboscis very short. Palpi hardly visible. Antennæ more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender; hind tibiæ with very minute spurs. Wings broad. Fore wings straight in front, somewhat rounded at the tips, slightly convex and oblique along the exterior border. *Male.*—Antennæ serrated or slightly pectinated.

1. ARCHIEARIS PARTHENIAS.

Nigro-fusca; alæ anticæ cinereo conspersæ, ferrugineo tinctæ, plagis duabus anticis albidis; posticæ vitta antica latissima interrupta fasciaque postica undulato luteis. Mas.—*Antennæ serratæ.*

——— ———, *Deg. Ins.* i. 119, pl. 21. *Engr. Pap. d'Eur.* 577, e, f. h.

Phalæna-Noctua Parthenias, *Linn. Syst. Nat.* 835, 94; *Faun. Suec.* 1160; *It. Wgoth.* 141, 1.

Bombyx vidua, *Fabr. Sp. Ins.* ii. 197, 117; *Mant. Ins.* ii. 128, 166; *Ent. Syst.* iii. 1, 468, 190.

Phalæna-Bombyx Parthenias, *Gmel. ed. Syst. Nat.* i. 5, 2437, 94.

Noctua Parthenias, *Kléem, Beitr.* i. pl. 40. *Wién. Verz.* 91, 9. *Knoch, Beitr.* ii. pl. 3, f. 8. *Esp. Schmett.* iv. pl. 85, f. 5—8. *Bork. Eur. Schmett.* iv. 51, 18. *Hübn. Eur. Noct.* pl. 74, f. 341, 342. *God. Pap. de Fr.* v. 89, pl. 51, f. 2.

Noctua Notha, *Haw. Lep. Brit.* 8.

Archiearis Parthenias, *Hübn. Verz. Schmett.* 280, 2745.

Brephos Parthenias, *Treit. Schmett.* v. 379, 1. *Meig. Syst. Besch.* iii. 244, 1, pl. 118, f. 4; *Handb.* 189, 111. *Boisd. Ind. Méth.* 173, 1380. *Guen. Noct.* ii. 264, 1066. *Freyer, Ent. Zeit. Stett.* ii. 111.

Brephos Notha, *Steph. Ill. Brit. Ent. Haust.* iii. 137.

a—r. England. From Mr. Stephens' collection.
s—w. England.
x, y. Europe. From M. Becker's collection.
z. Orilla, West Canada. From Mr. Bush's collection.

2. Archiearis notha.

Nigro-fusca; alæ anticæ cinereo conspersæ, fasciis nigris vix conspicuis; posticæ vitta antica dilatata interrupta fasciaque postica undulata luteis. Mas.—*Antennæ pectinatæ.*

——— ———, *Engr. Pap. d'Eur.* 577, c, d, g, k.

Noctua Parthenias, *Esp. Schmett.* iv. pl. 85, f. 4. *God. Pap. de Fr.* v. pl. 51, f. 1,

Phalæna Parthenias, *Donov. Brit. Ins.* vii. pl. 246, f. 1, 2.

Bombyx Parthenias, *Haw. Lep. Brit.* 98.

Noctua notha, *Hübn. Eur. Schmett. Noct.* pl. 74, f. 343, 341.

Archiearis notha, *Hübn. Verz. Schmett.* 280, 2746.

Brephos notha, *Treit. Schmett.* v. 383, 2. *Meig. Syst. Besch.* iii. 244, 2, pl. 118, f. 5. *Boisd. Ind. Méth.* 173, 1379. *Guen. Noct.* ii. 265, 1067.

Brephos Parthenias, *Steph. Ill. Brit. Ent. Haust.* iii. 136. *Curt. Brit. Ent.* pl. 121.

a—p. England. From Mr. Stephens' collection.
q—v. England.
u—x. Europe. From M. Becker's collection.

3. ARCHIEARIS PUELLA.

Nigro-cinerea; alæ anticæ macula costali subapicali pallidiore, lineis undulatis nigris; posticæ luteæ, margine, dimidio postico interrupto maculaque discali nigricantibus. Mas.—*Antennæ pectinatæ.*

——— ———, *Engr. Pap. d'Eur.* 370, a—d.
Noctua puella, *Lang. Verz.* 1101. *Esp. Schmett.* iv. pl. 106, f. 2, 3. *Bork. Eur. Schmett.* iv. 55, 19.
Noctua spuria, *Hübn. Eur. Schmett. Noct.* pl. 74, f. 345.
Noctua Cœlebs, *Hübn. Beitr.* pl. 3, Q.
Archiearis spuria, *Hübn. Verz. Schmett.* 280, 2747.
Noctua Parthenias, *var. God. Pap. de Fr.* v. pl. 51, f. 3.
Brephos puella, *Treit. Schmett.* v. 385, 3. *Steph. Ill. Brit. Ent. Haust.* iii. 137. *Meig. Syst. Besch.* iii. 245, 3, pl. 118, f. 6. *Boisd. Ind. Méth.* 173, 1381. *Guen. Noct.* ii. 265, 1068.

a—e. Europe. From M. Becker's collection.
f. France.

Div. 2. QUADRIFIDÆ.

See page 2.

Statura sæpissime magna. Corpus sæpe gracile, nonnunquam robustum. Palpi optime determinati; articulus 3us sæpissime longissimus, nonnunquam spatulatus. Thorax sæpe minus pilosus. Alæ latæ; posticæ amplæ; vena 1a inferior sæpissime fortis, apud areolæ apicem inserta.

Species very generally of large size. Body often slender, sometimes stout. Palpi much developed; third joint most often very long, sometimes spatulate. Thorax often but slightly pilose. Wings broad. Hind wings ample; first inferior vein very generally as much developed as the others, inserted at the tip of the areolet.

A. Vena 1a inferior variabilis. Alæ decumbentes.
A. Alæ sericeæ, concolores aut ocellatæ. Vena 1a inferior sequentibus semper æqualis. - - Tribe 1. SERICEÆ.
B. Statura parva. Alæ angulosæ, denticulatæ aut metallicæ; posticæ discolores; vena 1a inferior sequentibus sæpissime debilior. - - - - - - Tribe 2. VARIEGATÆ.

C. Abdomen depressum. Alæ nebulosæ; posticæ discolores; vena 1a inferior semper debilior et remotior.
Tribe 3. INTRUSÆ.

B. Alæ planæ aut extensæ. Vena 1a inferior sequentibus æqualis, non remota.

A. Statura mediocris. Alæ concolores, lituris non diversis, aut subtus valde notatæ. - - - Tribe 4. EXTENSÆ.

B. Statura magna aut mediocris. Alæ posticæ discolores et bicolores. - - - - - Tribe 5. LIMBATÆ.

C. Statura magna. Palporum articulus 3us longus, linearis. Alæ latæ, concolores, lineis non diversis. Tribe 6. PATULÆ.

D. Palporum articulus 3us mediocriter longus, non spatulatus. Abdomen læve. - - - Tribe 7. SERPENTINÆ.

E. Noctuæ pyraliformes. Palpi longissimi. Pedes longi. Alæ tenues, concolores, subtus bene notatæ.
Tribe 8. PSEUDO-DELTOIDÆ.

Tribe 1. SERICEÆ.

Statura parva aut mediocris. Fasciculus frontalis non prominens. Palpi breves, arcuati, ad frontem applicati, articulis non bene determinatis. Antennæ vix pubescentes. Alæ sericeæ, nitentes, integræ, concolores; anticæ lineis distinctis; posticæ maculis ocellatis ornatæ, aut maculis, vel lineis vel squamarum plagis micantibus notatæ; vena 1a inferior sequentibus æqualis, paullo supra inserta; venæ costalis et subcostalis basi connexæ, prope ad alarum insertionem ramosæ.

Quadrifidæ Sericeæ, *Guen. Noct.* ii. 273.

Size small or moderate. Tuft of the front not prominent. Palpi short, curved, applied to the front; joints somewhat indistinct. Antennæ hardly pubescent. Wings silky, shining, entire, alike in colour. Fore wings with distinct lines. Hind wings adorned with ocellated spots, or marked with metallic and more or less shining spots, lines, or patches of scales; first inferior vein as stout as the others, inserted a little in front; costal and subcostal veins united at the base, ramified not far from the root of the wing.

A. Corpus gracile. Alæ latæ, semper fere angulosæ, non ocellatæ, lineis determinatis. - - - Fam. 1. PALINDIDÆ, *Guen.*

B. Corpus sat robustum. Alæ rotundatæ, crassæ, maculis ocellatis ornatæ. - - - Fam. 2. DYOPSIDÆ, *Guen.*

Fam. 1. PALINDIDÆ.

Corpus gracile. Alæ latæ, sericeæ; anticæ lineis aut fasciis bene determinatis, maculis metallicis, apice acutæ; posticæ sæpissime angulatæ.

Palindidæ, *Guen. Noct.* ii. 274.

Body slender. Wings broad, shining, with distinct bands or transverse lines, and generally with metallic marks. Fore wings acute at the tips. Hind wings most often angular or with a short tail.

A. Palpi articulis distinctis. - - - 1. PALINDIA, *Guen.*
B. Palpi articulis indistinctis. - - 2. HOMODES, *Guen.*

Genus 1. PALINDIA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi ascendentes, subarcuati, vix longi; articulus 3us cylindricus, 2i dimidio longior. Antennæ simplices, corporis dimidio multo longiores. Abdomen alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latæ; anticæ apud costam subrectæ, apice subrotundatæ, margine exteriore subconvexo, mediocriter obliquo; posticæ apud marginis exterioris medium subangulatæ.

Eulepidotis et Phrygionis, *Hübn. Verz. Schmett.* 291, 307.
Palindia, *Guen. Noct.* ii. 274.

Body rather slender. Proboscis moderately long. Palpi moderately long, slightly curved, almost vertical; third joint cylindrical, more than half the length of the second. Antennæ simple, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings broad. Fore wings straight in front, slightly rounded at the tips, slightly convex and moderately oblique along the exterior border. Hind wings slightly angular in the middle of the exterior border.

South America.

A. Alæ virides. - - - - - - - Ilyrias, *Cram.*
B. Alæ non virides.
A. Alæ plus minusve albæ.
a. Alæ anticæ nigro-fuscæ, basi albæ. - Vincentiata, *Stoll.*
b. Alæ anticæ dimidio apicali nigricante.
a. Alæ anticæ macula costali nigra. - hemileuca, *Guen.*
b. Alæ anticæ macula nulla nigra. caudata, *Herr.-Schæff.*
c. Alæ anticæ dimidio apicali non nigricante.
a. Alæ anticæ fuscæ, fasciis albis. - striataria, *Cram.*
b. Alæ anticæ albæ, fasciis aut maculis obscuris.
i. Alæ posticæ fuscæ, basi albæ. - Julianata, *Stoll.*
ii. Alæ posticæ albæ.
* Alæ anticæ fasciatæ.
† Alæ anticæ ciliis totis obscuris.
‡ Alæ posticæ macula apicali fusca.
Dominicata, *Guen.*
‡‡ Alæ posticæ macula nulla apicali fusca.
persimilis, *Guen.*
†† Alæ anticæ ciliis albis. - rectimargo, *Guen.*
** Alæ anticæ lineis transversis.
† Alæ anticæ maculis magnis transversis.
alabastraria, *Hübn.*
†† Alæ anticæ maculis vix ullis costalibus.
‡ Alæ anticæ lineis non punctatis.
detracta, *Walk.*
‡‡ Alæ anticæ lineis punctatis.
punctangulata, *Walk.*
B. Alæ stramineæ aut luteæ.
a. Alæ anticæ cyaneo non fasciatæ. - juncida, *Guen.*
b. Alæ anticæ cyaneo fasciatæ. - - - Corinna, *Cram.*
C. Alæ fuscæ.
a. Alæ posticæ angulatæ.
a. Alæ anticæ fasciis fuscis. - - - Mabis, *Guen.*
b. Alæ anticæ fasciis fulvis. - - - thecloides, *Walk.*
b. Alæ posticæ non angulatæ. - - - perlata, *Guen.*

1. Palindia hemileuca.

Alba; caput, palpi, thorax anticus et abdomen apice fusca; alæ extus fuscæ, subfasciatæ, subiridescentes; anticæ macula costali fusca; posticæ macula ocellari apud angulum.

Palindia hemileuca, *Guen. Noct.* ii. 275, 1069.

a. Brazil. From Mr. Stevens' collection.
b. South America. From Mr. Warwick's collection.

2. Palindia Vincentiata.

Alba; caput rufum; alæ nigro-fuscæ; anticæ basi albæ, fasciis duabus obliquis undulatis nigris; posticæ basi testaceæ, maculis duabus discalibus unaque marginali nigris.

Phalæna Vincentiata, *Stoll, Cram. Pap. Exot.* v. 39, pl. 8, f. 3.
Palindia Vincentiata, *Guen. Noct.* ii. 275, 1070.

Surinam.

3. Palindia alabastraria.

Var.? *Alba, subtus lutea; caput, prothorax et abdomen apice lutescentia; alæ linea marginali alba; anticæ guttis tribus basim versus nigris, maculis tribus costalibus trigonis cervinis nigro marginatis, 2a lineam transversam angulosam emittente, fascia marginali angulata fusca; posticæ albo-lutescentes, margine ex parte fusco, macula oblonga marginali pallide cervina fusco punctata.*

Noctua albastraria, *Hübn. Zutr.* f. 311, 312.
Eulepidotis alabastraria, *Hübn. Verz. Schmett.* 291, 2823.
Palindia albastraria, *Guen. Noct.* ii. 275, 1071.

a. Ega. From Mr. Bates' collection.
b. Brazil. From Mr. Argent's collection.

4. Palindia Dominicata.

Alba; caput et thorax anticus fusca; abdomen apice aut omnino luteum; alæ anticæ fascia obliqua trienteque apicali fuscis plagam trigonam albam includentibus, fascia exteriore fasciaque marginali obscurioribus, illa ferrugineo interlineata; posticæ luteæ, apice fuscæ, margine interiore albo, plaga crocea, ocello atro lineaque alba posticis.

Palindia Dominicata, *Guen. Noct.* ii. 276, 1072.

a, *b*. Brazil. From Mr. Argent's collection.
c. Parà. From Mr. Stevens' collection.
d. Parà. Presented by J. P. G. Smith, Esq.

5. PALINDIA PERSIMILIS.

P. dominicatæ *simillima ; alæ anticæ alba magis repanda, fascia obliqua angustiore ; posticæ apice non fuscæ.*

Palindia persimilis, *Guen. Noct.* ii. 276, 1073.

Brazil.

6. PALINDIA RECTIMARGO.

Alba ; caput et prothorax pallidissime fusca ; abdomen apice lutescens ; alæ anticæ fascia et triente apicali pallide fuscis nigro marginatis postice connexis, lineis duabus (una exteriore altera marginali) albidis, linea intermedia glaucescente ; posticæ subcaudatæ, apud marginem luteæ, maculis duabus (una apicali altera postica) fuscis, macula postica nigro pupillata albo unilineata, punctis contiguis albis.

Palindia rectimargo, *Guen. Noct.* ii. 276, 1074.

Monte Video.

a, *b*. Venezuela. From Mr. Dyson's collection.
c. ——— ?

7. PALINDIA DETRACTA.

Fœm. *Alba ; caput et prothorax pallide fusca ; abdomen apicem versus lutescens ; alæ apud marginem exteriorem glaucescentes, ciliis pallide fuscis ; alæ anticæ guttis costalibus nigris, fasciis duabus angustis testaceis fusco marginatis postice approximatis apud costam dilatatis, linea exteriore cinerea undulata indistincta ; posticæ subluteæ, linea guttaque postica marginalibus nigris, vitta alba lineolas fuscas maculamque e punctis nigris includente.*

Female. White. Head and prothorax pale brown. Abdomen slightly luteous towards the tip. Wings with a glaucous tinge along the exterior border; ciliæ pale brown. Fore wings with black dots along the costa, and with two slender testaceous brown-bordered bands, which are approximate hindward and are dilated on the costa; an indistinct undulating gray line between the

second band and the border. Hind wings slightly luteous, with a black marginal line, a black posterior marginal dot, and a white stripe, which includes near the margin an assemblage of black points; the latter are bounded in front and behind by some brown little lines. Length of the body 5—6 lines; of the wings 12—14 lines.

a. Brazil. From Mr. Milne's collection.

8. PALINDIA PUNCTANGULATA.

Mas. *Alba; caput et prothorax lutea, hic fasciis duabus purpureo-fuscis; abdomen apice subflavescens; alæ ciliis fuscis; anticæ guttis costalibus unaque basali nigris, lineis duabus transversis angulosis subparallelis apud costam dilatatis luteis fusco marginatis, 1a lutea nigro guttata, 2a fusca, lunulis marginalibus fuscis nigro notatis; posticæ linea marginali nigra, lineolis fuscis punctisque nigris posticis.*

Male. White. Head and prothorax luteous; the latter with two purplish brown bands. Abdomen slightly tinged with yellow towards the tip. Wings with brown ciliæ. Fore wings with black dots along the costa and with a black dot near the base; two zigzag transverse nearly parallel lines; first line luteous, with black dots; second brown; both dilated and luteous, and bordered with brown on the costa; a row of brown black-marked marginal lunules. Hind wings with a black line on the exterior border, near the hind part of which there is an assemblage of black points, which are partly bordered by little brown lines. Length of the body 6 lines; of the wings 14 lines.

Valley of the Amazon. In Mr. Saunders' collection.

9. PALINDIA JULIANATA.

Alba; alæ anticæ fascia recta et triente apicali fuscis connexis, macula et lineola costalibus subapicalibus albis; posticæ fuscæ, basi albæ, plaga cervina, strigis, linea, macula ocelloque pallide purpurascentibus.

Phalæna Julianata, *Stoll, Cram. Pap. Exot.* v. 40, pl. 8, f. 4.
Phrygionis Julianaria, *Hübn. Verz. Schmett.* 307, 2961.
Palindia Julianata, *Guen. Noct.* ii. 277, 1075.

Surinam.

10. Palindia Ilyrias.

Læte viridis; abdomen apice lutescens; alæ anticæ lineis tribus luteis cyanescente marginatis apud costam dilatatis fuscoque marginatis, costa ciliisque lutescentibus; posticæ costa strigisque apud marginem interiorem luteis, ocello postico guttisque marginalibus argenteis. Mas.—*Alæ anticæ costa lutescente, lunulis apud marginem exteriorem fuscis.*

Phalæna Ilyrias, *Cram. Pap. Exot.* i. 15, pl. 10, f. E.
Phalæna Ilyraria, *Fabr. Ent. Syst.* iii. 2, 138, 33.
Eulepidotis Illyriaria, *Hübn. Verz. Schmett.* 291, 2821.
Palindia Ilyrias, *Guen. Noct.* ii. 278, 1080.

Surinam. Guiana.

a. Villa Nova. From Mr. Bates' collection.
b—d. Parà. From Mr. Wallace's collection.
e. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

Var. *Alæ anticæ macula aut plaga purpureo-fusca.*

f. Brazil. Presented by E. Doubleday, Esq.
g. Parà. Presented by J. P. G. Smith, Esq.
h. Brazil. From Mr. Mornay's collection.

11. Palindia juncida.

Straminea; caput, palpi et thorax anticus cervina; alæ anticæ fasciis duabus subobliquis cervinis, 2a extus albido marginata, triente apicali costa excepta æneo-fusca; posticæ fusco marginatæ, linea maculaque marginalibus albis, ocello apud angulum pallide purpureo.

Palindia juncida, *Guen. Noct.* ii. 277, 1076.

Colombia.

a. Brazil. From Mr. Argent's collection.

12. Palindia Corinna.

Lutea; alæ anticæ fasciis quatuor cyaneis et fuscis; posticæ fasciis duabus incompletis cyaneis fuscisque, guttis posticis argenteis nigrisque. Var.—*Alæ anticæ fascia latissima purpurascente.*

Phalæna (Noctua) Corinna, *Cram. Pap. Exot.* i. 47, pl. 29, f. H.
Phrygionis Corinnaria, *Hübn. Verz. Schmett.* 307, 2960.
Palindia Corinna, *Guen. Noct.* ii. 279, 1081.

Cayenne. Parà. Surinam.

a. Parà. From Mr. Bates collection.
b. ——— ?

13. Palindia striataria.

Cervino-fusca ; alæ anticæ fasciis tribus albis nigro marginatis, 2a 3aque posticæ approximatis ; posticæ fascia obliqua nigro marginata, lineis submarginalibus albis.

Phalæna striataria, *Cram. Pap. Exot.* iv. 125, pl. 355, f. F.
Palindia striatia, *Guen. Noct.* ii. 278, 1078.

Surinam.

14. Palindia caudata.

Alba ; alæ anticæ costa fasciaque lata nigro marginata obscure fuscis, dimidio apicali purpureo-fusco ; posticæ fuscæ, basi lituraque marginalibus albis, fascia lata purpurascente, guttis discalibus et marginalibus nigris.

Palindia caudata, *Herr.-Schæff. Exot. Schmett.* f. 136.

Surinam.

a. Ega. From Mr. Bates' collection.

15. Palindia mabis.

Cinereo-fusca ; alæ anticæ guttis costalibus subapicalibus lineisque marginalibus albis, lineis quatuor transversis fuscis, 1a et 2a obliquis parallelis interioribus, 3a exteriore abbreviata, 4a undulata testaceo marginata, reniformi angusta fusco marginata ; posticæ fascia angulata nigro marginata, lineis duabus marginalibus ciliisque albis, macula cyaneâ guttis tribus atris lineolaque alba posticis.

Palindia mabis, *Guen. Noct.* ii. 277, 1077.

a, *b*. Ega. From Mr. Bates' collection.
c. Venezuela. From Mr. Dyson's collection.

16. PALINDIA THECLOIDES.

Fœm. *Murina, iridescens, subtus alba; palpi albido fasciati; thorax fasciis tribus anticis testaceis unaque albida; alæ anticæ fasciis duabus fulvis fusco marginatis; posticæ caudatæ, macula magna purpurea nigro conspersa, lineolis posticis fuscis, striga alba maculaque nigra submarginalibus.*

Female. Mouse-colour, with an iridescent tinge, white beneath. Palpi with whitish bands. Prothorax with three testaceous bands in front, and behind them a slight whitish band. Fore wings with two brown-bordered tawny bands, which are slightly dilated in front; costa towards the tip yellowish, with brown dots. Hind wings with a large purple black-speckled spot, which joins several very fine little brown lines; the latter are contiguous to a white mark, which is accompanied by a black spot adjoining the short tail. Length of the body 5 lines; of the wings 12 lines.

a. Honduras. From Mr. Dyson's collection.

17. PALINDIA PERLATA.

Cinereo-fusca; palpi basi albi; abdomen macula basali argentea; alæ rotundatæ, non angulatæ; anticæ linea punctoque cyaneo basalibus, fascia media guttis marginalibus maculuque costali apicali fulvis, linea marginali argentea; posticæ macula marginali alba, ciliis ex parte flavis, litura vaga violacea lineolisque albis et nigris.

Palindia perlata, *Guen. Noct.* ii. 279, 1082.

Cayenne.

Country unknown.

18. PALINDIA SUPERIOR.

Schistaceo-fusca; alæ anticæ lineis tribus transversis, 1a basali nigricante, 2a 3aque obliquis cervino-fuscis, lineola postica chalybea; posticæ angulatæ, striga cervina maculam chalybeam nigro conspersam lineolamque albam includente.

Palindia superior, *Guen. Noct.* ii. 278, 1079.

Genus 2. HOMODES.

Corpus sat gracile. Proboscis mediocriter longa. Palpi validi, pilosi, arcuati, ascendentes, arcte applicati; articuli valde indistincti; 3us minimus. Antennæ validæ, subciliatæ, corporis dimidio breviores. Abdomen alas posticas triente superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ sat angustæ; anticæ costa apicem versus arcuata, apice vix angulatæ, margine exteriore sat obliquo vix convexo.

Homodes; *Guen. Noct.* ii. 280.

Body rather slender. Proboscis moderately long. Palpi stout, pilose, curved, ascending, closely applied to the head; articulation of the joints very indistinct; third joint very minute. Antennæ stout, minutely ciliated, not half the length of the body. Abdomen extending for one-third of its length beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings rather narrow. Fore wings somewhat rounded towards the tips, which are hardly angular; exterior border moderately oblique, hardly convex.

1. Homodes crocea.

Ochracea; abdomen ferruginosum; alæ anticæ guttis plurimis fasciaque tenui subcupreis albido lineatis, linea transversa exteriore rufescente lineolisque submarginalibus nigris; anticæ guttis tribus discalibus cupreis.

Homodes crocea, *Guen. Noct.* ii. 280, 1083.

Java.

2. Homodes vivida.

Læte ochracea; palpi fusci; alæ anticæ lineis duabus cinereis, 2a lineaque rufa approximatis, serie intermedia e punctis nigris cupreo notatis, lineolis marginalibus nigris duplicatis.

Homodes vivida, *Guen. Noct.* ii. 280, 1084.
Homodes crocea, *var.?*

Bombay.

Fam. 2. DYOPSIDÆ.

Statura major. Corpus robustum. Caput parvum. Palpi ascendentes. Alæ obscuræ, lineis aut fasciis indistinctis, maculis ocellaribus.

Dyopsidæ, *Guen. Noct.* ii. 281.

Size somewhat large. Body robust. Head small. Palpi ascending. Wings dark, with indistinct bands or transverse lines; each with a posterior ocellus.

A. Alæ anticæ ocello apud marginem interiorem. 1. Dyomyx, *Guen.*
B. Alæ anticæ ocello nulla apud marginem interiorem.
2. Dyops, *Guen.*

Genus 1. DYOMYX.

Corpus sat robustum. Proboscis mediocriter longa. Palpi longi, ascendentes; articulus 3us cylindricus, gracilis, 2o non brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore subobliquo subconvexo.

Platyja, p., *Hübn. Verz. Schmett.* 268.
Dyomyx, *Guen. Noct.* ii. 281.

Body rather robust. Proboscis moderately long. Palpi long, almost vertical; third joint cylindrical, slender, as long as the second. Antennæ simple, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Wings broad. Fore wings straight in front, angular at the tips, slightly oblique and slightly convex along the exterior border.

1. Dyomyx Cimolia.

Fusca; alæ anticæ rufescente variæ purpurascente tinctæ, lineis duabus medianis undulatis flexis remotis subparallelis strigaque recta obliqua obscurioribus, macula postica alba, reniformi maxima annulari antice aperta, macula ocellari nigra ochraceo marginata albo pupillata, striga plumbea punctisque flavescentibus obscurioribus; posticæ linea unica valde arcuata punctisque tribus nigris.

Dyomyx Cimolia, *Guen. Noct.* ii. 282, 1085.
Brazil?

2. Dyomyx Ancea.

Ferruginea; alæ anticæ nigro-purpureæ, fasciis nigris, guttis costalibus subapicalibus flavis, margine exteriore maculaque basali interiore luteis, ocello postico luteo pupilla alba; posticæ fuscæ margine luteo.

Phalæna-Noctua Ancea, *Cram. Pap. Exot.* iv. 72, pl. 324, f. G.
Platyja Ancea, *Hübn. Verz. Schmett.* 268, 2626.
Dyomyx Ancea, *Guen. Noct.* ii. 282, 1086.

Surinam.

3. Dyomyx megalops.

Var.? *Obscure fusca; alæ sericeæ, purpurascente tinctæ; anticæ lineis quatuor indistinctis transversis angulosis obscurioribus, ocello apud angulum interiorem atro albo-pupillata macula cervino marginato; posticæ lineis duabus transversis obscurioribus, gutta postica marginali atra.*

Dyomyx megalops, *Guen. Noct.* ii. 282, 1087.

Parà.

a. Venezuela. From Mr. Dyson's collection.

Genus 2. DYOPS.

Corpus robustum. Proboscis sat longa. Palpi validi, pilosi, subascendentes; articulus 3us cylindricus, 2i dimidio brevior. Antennæ simplices, corporis dimidio breviores. Abdomen alas posticas superans. Pedes longi, validi; tibiæ posticæ calcaribus quatuor longis. Alæ longiusculæ, vix latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo valde obliquo.

Dyops, *Guen. Noct.* ii. 283.

Body stout. Proboscis moderately long. Palpi stout, pilose, slightly ascending; third joint cylindrical, rounded at the tip, less than half the length of the second. Antennæ simple, a little less than half the length of the body. Abdomen extending somewhat beyond the hind wings. Legs long, stout; hind tibiæ with four long spurs. Wings rather long, moderately broad. Fore wings straight in front, rounded at the tips, slightly convex and very oblique along the exterior border.

1. Dyops ocellata.

Fœm.? *Fusca; alæ fusco-cervinæ; anticæ ex maxima parte nigro-fuscæ, fasciis cyaneis, margine exteriore pallidiore; posticæ lineola pallida, maculis duabus posticis atris, una albo pupillata.* Mas.?—*Cinereo-fusca; alæ anticæ fasciis paucis variis cyaneis et pallide cinereis, linea marginali lutea, macula marginali nigra; posticæ linea margineque testaceis, maculis marginalibus nigris.*

Phalæna ocellata, *Cram. Pap. Exot.* iii. 151, pl. 276, f. D, E.
Dyops ocellata, *Guen. Noct.* ii. 283, 1088.

Brazil. Surinam.

2. Dyops oculigera.

Testaceo-cinerea; alæ anticæ linea flexa denticulato lunulata, umbra mediana lineaque extrabasilari obscurioribus, linea submarginali liturisque albis contiguis; anticæ maculis duabus costalibus trigonis albis, ocello intermedio nigro-albo pupillato antice flavescente lineolato, reniformi vaga nigricante.

Dyops oculigera, *Guen. Noct.* ii. 284, 1089.

Cayenne.

3. Dyops Hatuey.

Cervino-fusca; alæ anticæ lineis variis transversis undulatis duplicatis fuscis, plaga fusca cyaneo conspersa strigaque rufescente apud angulum interiorem; posticæ pallide cervinæ, margine latissimo fusco fasciam cervinam includente, macula apud angulum interiorem atra cyaneo strigata, antice cervino bimarginata postice rufescente marginata.

Noctua Hatuey, *Poey, Cent. Lep. Cuba.*

Cuba.

a. St. Domingo.
b, c. St. Domingo. From Mr. Tweedie's collection.

3. Dyops confligens.

Mas. *Fuscescente-cervina; alæ anticæ apud marginem exteriorem purpurascente tinctæ, maculis triplici serie subcostalibus fuscis, guttis submarginalibus nigricantibus, lineis nonnullis transversis fuscis indistinctis undulatis duplicatis, macula apud angulum interiorem chalybea; posticæ pallide cervinæ fuscescente nebulosæ, margine latissimo fusco e fascia cervina interrupto, plaga chalybea maculam atram lineolam cervinam striyaque duas albas includente.*

Dyops Hatuey? *Guen. Noct.* ii. 284, 1090.

Male. Brownish fawn-colour. Abdomen a little paler than the thorax. Fore wings with a slight purplish tinge along the exterior border, with three rows of brown spots along the costa, and with blackish submarginal dots; several indistinct undulating double transverse brown lines; an indistinct chalybeous spot by the interior angle. Hind wings pale fawn-colour, slightly clouded with brown, and with a very broad brown border, which is divided by a fawn-coloured band and a chalybeous patch; the latter includes a deep black spot with two white streaks and a fawn-coloured fore border. Length of the body 10½— 12½ lines; of the wings 23—25 lines.

This species is very nearly allied to *D. Hatuey*, from which it may be distinguished by not having the red mark at the interior angle of the fore wings, and by some other slight characters.

a, *b*. Honduras. From Mr. Dyson's collection.
c. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

Tribe 2. VARIEGATÆ.

Statura parva aut mediocris. Proboscis longa aut mediocris. Palpi bene determinata, sæpe crassi; articulus 3us linearis. Alæ anticæ metallicæ, aut sericeo nitentes, aut margine interno angulato vel dentato; posticæ unicolores, aut pallidæ margine nigro.

Variegatæ, *Guen. Noct.* ii. 286.

Body small, or of moderate size. Proboscis long, or of middling length. Palpi well-developed, often thick; third joint linear. Fore wings metallic, or with silky lustre, or with the interior border angular or denticulate. Hind wings of one colour; occasionally pale or yellow, with a dark border.

A. Abdomen cristatum aut hamulis apicalibus divergentibus. Alæ anticæ angulatæ aut arcuatæ, lineis aut maculis inordine dispositis.

A. Antennæ simplices. Abdomen cristatum. Alæ posticæ incisæ, dentatæ, aut polygonæ. - Fam. 1. ERIOPIDÆ, *Guen.*

B. Antennæ *maris* usque ad medium ciliatæ. Abdomen hamulis duabus apicalibus divergentibus. Alæ posticæ vena 1a inferiore valde determinata - Fam. 2. EURHIPIDÆ, *Guen.*

C. Abdomen subcristatum. Alæ anticæ nitentes, vix arcuatæ; posticæ trifidæ. - - - Fam. 3. PLACODIDÆ, *Guen.*

B. Abdomen tumidum, conicum. Alæ anticæ sæpissime apud marginem internum villoso-dentatæ.

A. Palpi graciles, ascendentes. Alæ anticæ sæpe plus minusve auratæ aut argenteæ. - - Fam. 4. PLUSIDÆ, *Boisd.*

B. Palpi incrassati. Alæ anticæ nunquam metallicæ. - Fam. 5. CALPIDÆ, *Guen.*

C. Antennæ longæ, *maris* usque ad medium pectinatæ. Alæ sericeæ, non metallicæ. - Fam. 6. HEMICERIDÆ, *Guen.*

C. Corpus robustum. Palpi recti, rostrum fingentes. Abdomen conicum, zonatum. Alæ integræ, crassæ. Fam. 7. HYBLÆIDÆ, *Guen.*

D. Abdomen *maris* depressum. Alæ anticæ angulatæ, macula orbiculari punctiformi. - Fam. 8. GONOPTERIDÆ, *Guen.*

Fam. 1. ERIOPIDÆ.

Frontis fasciculus villoso-hirsutus. Proboscis brevis, gracilis. Palpi vix arcuati, sæpe villosi. Antennæ graciles, mediocres, *maris* pubescentes. Thorax cristatus, villoso-hirsutus. Prothorax brevis. Abdomen obconicum, cristatum. Alæ discolores; anticæ sæpe angulatæ, lineis distinctis; posticæ incisæ, denticulatæ aut polygonæ, sat latæ, lituris nullis.

Eriopidæ, *Guen. Noct.* ii. 288.

Tuft of the front villose-hirsute. Proboscis short, slender. Palpi hardly curved, often villose. Antennæ slender, of moderate length, pubescent in the male. Thorax crested, villose-hirsute. Abdomen crested, obconical. Fore wings unlike the hind wings in colour, often angular, with distinct lines. Hind wings without markings, moderately broad, notched, denticulate, or polygonal.

A. Palporum articulus 3us minimus.
A. Abdomen alas posticas vix superans. - 2. COSMODES, *Guen.*
B. Abdomen alas posticas sat superans. - 1. EMARGINEA, *Guen.*
B. Palporum articulus 3us 2i dimidio longior.
4. CALLOPISTRIA, *Guen.*
C. Palporum articulus 3us 2o non brevior.
A. Alæ vix latæ. - - - - 3. LINEOPALPA, *Guen.*
B. Alæ latæ. - - - - - 5. COXINA, *Guen.*

The affinities between these five genera are hardly sufficient to include them in one family.

Genus 1. EMARGINEA.

Mas. Corpus sat robustum. Fasciculus frontis squamosus, lævis, rotundatus, cristatus. Proboscis brevis, robusta. Palpi brevissimi, graciles, cylindrici, non villosi, caput non superantes; articulus 3us brevissimus. Antennæ graciles, apices versus pubescentes, corporis dimidio paullo longiores; articulus 1us squamosus, dilatatus. Thorax brevis, squamosus, hirsutus, tegulis angustis. Abdomen cristatum, supra squamosum, lateribus villosis, abdomen dimidio superans. Pedes brevissimi, squamosi; tarsi breves. Alæ breves, vix latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore vix obliquo.

Emarginea, *Guen. Noct.* ii. 288.

Male. Body rather stout. Tuft of the front squamose, smooth, rounded, crested. Proboscis short, stout. Palpi slender, cylindrical, very short, not villose, not extending beyond the head; third joint very short. Antennæ slender, pubescent towards the tips, a little more than half the length of the body; first joint squamose, dilated. Thorax short, squamose, hirsute, with narrow lappets. Abdomen crested, squamose above, extending for half its length beyond the hind wings; sides villose. Legs squamose, very short; hind tibiæ with slender spurs; tarsi short. Wings short, rather narrow. Fore wings straight in front, slightly rounded at the tips, hardly oblique along the exterior border.

1. EMARGINEA GRAMMOPHORA.

Alba; thorax niger; abdomen supra nigrum; alæ anticæ plaga maxima exteriore lituram costalem album includente strigisque duabus basalibus atris, basi, angulo interiore margineque exteriore apud apicem flavo-ochraceis; posticæ margine cinerascente.

Emarginea grammophora, *Guen. Noct.* ii. 289, 1091.

Monte Video.

Genus 2. COSMODES.

Corpus sat gracile. Proboscis brevis. Palpi porrecti, caput vix superantes; articulus 3us minimus. Antennæ corporis dimidio vix longiores. Abdomen alas posticas vix superans. Pedes sat graciles; tibiæ posticæ calcaribus quatuor longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore mediocriter obliquo, apud medium subangulato. *Mas.* — Antennæ vix ciliatæ.

Cosmodes, *Guen. Noct.* ii. 289.

Body rather slender. Proboscis short. Palpi porrect, extending very little beyond the head; third joint very minute, not more than one-sixth of the length of the second. Antennæ hardly more than half the length of the body. Abdomen extending very little beyond the hind wings. Legs rather slender; hind tibiæ with four long spurs. Wings rather broad. Fore wings straight in front, somewhat rounded at the tips, moderately oblique along the exterior border, which is slightly angular in the middle; first, second and third inferior veins approximate; fourth moderately remote. *Male.* —Antennæ very minutely ciliated.

1. COSMODES ELEGANS.

Ferruginosa; abdomen cinereum, cristis ferrugineis; alæ anticæ vitta brevi arcuata maculisque tribus trigonis discalibus viridibus argenteo marginatis, fascia testacea lineaque alba exterioribus abbreviatis conjunctis; posticæ cinereæ, margine fuscescente.

Phalæna elegans, *Donov. Epit. Ins. New Holl.*

Plusia? elegans, *Boisd. Voy. de l'Astrolabe*, Pt. 1, *Lép.* 242.

Cosmodes elegans, *Guen. Noct.* ii. 290, 1092.

a, *b*. Moreton Bay. Presented by — Gibbons, Esq.
c. Sydney. From Mr. Lambert's collection.
d. Sydney. Presented by E. Doubleday, Esq.
e. Australia. Presented by the Entomological Club.
f—*i*. Australia. From Mr. Milne's collection.
j—*l*. New Zealand. Presented by Col. Bolton.
m—*o*. New Zealand. Presented by Dr. Sinclair.
p. New Zealand. Presented by the Rev. W. Colenso.
q. ——— ?

Genus 3. LINEOPALPA.

Fœm. Corpus sat robustum. Proboscis longiuscula. Palpi porrecti, graciles, longissimi; articulus 3us linearis, 2o non brevior. Antennæ graciles, simplices, corporis dimidio paullo longiores. Abdomen alas posticas paullo superans. Pedes longiusculi, sat graciles; tibiæ posticæ calcaribus longis. Alæ longiusculæ, vix latæ, margine exteriore subdenticulato; anticæ apud costam rectæ, apice marginisque exterioris medio subangulatis.

Lineopalpa, *Guen. Noct.* ii. 290.

Female. Body moderately stout. Proboscis rather long. Palpi porrect, slender, very long; third joint linear, as long as the second. Antennæ simple, slender, rather more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs rather long and slender; hind tibiæ with four long spurs. Wings rather long, hardly broad; exterior border slightly denticulated. Fore wings straight in front, slightly angular at the tips and in the middle of the exterior border, which is slightly oblique; first, second and third inferior veins contiguous; fourth very remote.

1. Lineopalpa Horsfieldi.

Cervina; abdomen et alæ posticæ cinereæ; alæ anticæ nigro-fusco variæ, lineis fasciisque testaceis his angulatis, aut confluentibus.

Lineopalpa Horsfieldi, *Guen. Noct.* ii. 291, 1093.

Java

Genus 4. CALLOPISTRIA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi porrecti, pilosi, caput sat superantes; articulus 3us lanceolatus, 2i dimidio longior. Antennæ simplices, validæ, corporis dimidio longiores. Thorax hirsutus. Abdomen alas posticas vix superans. Pedes sat validi; antici densissime fasciculati; tibiæ posticæ calcaribus longissimis. Alæ sat latæ; anticæ apud costam subrectæ, apice acutæ, margine exteriore subdenticulato subobliquo.

Eriopus, *Treit.; Boisd.; Steph.; Guen. Ann. Soc. Ent. Fr.* vii. 224; *Noct.* ii. 291.
Callopistria, *Hübn. Verz. Schmett.* 216.
Hadena, p., *Ochs.*

Body rather slender. Proboscis moderately long. Palpi porrect, pilose, extending some distance beyond the head; third joint lanceolate, more than half the length of the second. Antennæ simple, stout, more than half the length of the body. Thorax hirsute. Abdomen hardly extending beyond the hind wings. Legs moderately stout; fore legs very thickly tufted; hind tibiæ with very long spurs. Wings moderately broad. Fore wings almost straight in front, acute at the tips, slightly denticulated and oblique along the exterior border.

Europe.

1. Callopistria Pteridis.

Ferruginea, nigro testaceoque varia; abdomen fuscum, segmentorum marginibus posticis testaceis; alæ anticæ fasciis diffusis nigris duabusque purpureis, lituris costalibus et subapicalibus macularumque discalium marginibus albidis; posticæ fuscæ, ciliis pallidioribus.

——— ———, *Engr. Pap. d'Eur.* f. 334.
Noctua Pteridis, *Fabr. Ent. Syst.* iii. 2, 90, 269. *Hübn. Eur. Schmett. Noct.* pl. 13, f. 65. *Dup. Hist. Nat. Lép. Fr.* vi. 324, pl. 93, f. 1, 2. *Frey. Beitr.* i. pl. 76; iv. pl. 305.
Noctua lagopus, *Esp. Schmett.* iv. pl. 125, f. 7.
Noctua manicata, *Rossi, Faun. Etr.* 386.
Noctua formosa, *Bork. Eur. Schmett.* iv. 362, 149.
Pyralis formosissimalis, *Hübn. Eur. Schmett. Pyral.* pl. 17, f. 111.

Eriopus Pteridis, *Treit. Schmett.* v. 366, 1. *Meig. Syst. Besch.* iii. 176, pl. 119, f. 3. *Boisd. Ind. Méth.* 129, 1039. *Bruand, Ann. Soc. Ent. Fr.* xi. 37, pl. 4, Pt. 1. *Guen. Noct.* ii. 293, 1096.

Callopistria Pteridis, *Hübn. Verz. Schmett.* 216, 2159.

a—d. Europe. From M. Becker's collection.
e, f. Europe.

2. Callopistria Latreillii.

Fusca, nigro conspersa; abdomen cinerascens, basi fulvo fasciculatum, segmentis pallido marginatis; alæ anticæ lineis transversis undulatis et macularum marginibus albidis, striga discali exteriore rufescente; posticæ pallidissime cinerascentes, margine lato obscuriore.

Eriopus Latreillii, *Dup. Suppl.* iv. 327, pl. 123, f. 2. *Meig. Syst. Besch.* iii. 176, 2, pl. 120, f. 2. *Geyer, Schmett.* f. 818—820. *Boisd. Ind. Méth.* 129, 1040. *Guen. Noct.* ii. 296, 1103.
Eriopus quieta, *Treit. Schmett.* iii. 259; *Suppl.* 49.

a. Sicily. From Mr. Melly's collection.
b—e. Europe. From M. Becker's collection.
f. Europe. From Dr. Frivaldsky's collection.

North America.

A. Alæ anticæ non argenteo variæ.
A. Alæ anticæ nigro variæ. - - - Floridensis, *Guen.*
B. Alæ anticæ non nigro variæ. - - - granitosa, *Guen.*
B. Alæ anticæ litura argentea. - - - mollissima, *Guen.*
C. Alæ anticæ maculis plurimis argenteis. - monetifera, *Guen.*
D. Alæ anticæ lineis transversis argenteis. - argentilinea, *Walk.*

3. Callopistria Floridensis.

Rufo-fusca; abdomen cinerascens; alæ anticæ macula basali, plagis duabus costalibus, lineis transversis margineque exteriore nigricantibus, fasciis variis obliquis albis, margine exteriore subangulato; posticæ cinerascentes, margine rufo-fusco.

Eriopus Floridensis, *Guen. Noct.* ii. 292, 1094.

a. East Florida. Presented by E. Doubleday, Esq.

4. Callopistria mollissima.

Rufescens; abdomen cinerascens, cristatum; alæ anticæ fasciis variis incompletis albidis, reniformi rotunda lutea argenteo ex parte marginata, litura postica argentea; posticæ cinereæ, ciliis albis.

Eriopus mollissima, *Guen. Noct.* ii. 294, 1098.

a, b. East Florida. Presented by E. Doubleday, Esq.

5. Callopistria monetifera.

Testacea; thorax et alæ anticæ cervino varia, hæ maculis plurimis argenteis; posticæ maris *albæ*, fœm. *fuscescentes ciliis albidis.*

Eriopus monetifera, *Guen. Noct.* ii. 295, 1099.

a. Nova Scotia. From Lieut. Redman's collection.
b. ——?

6. Callopistria argentilinea.

Mas. *Ferruginea; abdomen cinereum; alæ anticæ fasciis nonnullis undulatis, linea submarginali valde angulosa, orbiculari et reniformi pallide rufis, lineis tribus undulatis transversis, reniformis margine ex parte lunulisque marginalibus argenteis, guttis marginalibus nigris, ciliis pallido guttatis; posticæ cinereo-rufæ, strigis ciliaribus pallidis.*

Male. Ferruginous. Abdomen cinereous. Fore wings with several undulating pale red bands; submarginal line pale red, very zigzag; orbicular and reniform also pale red; three undulating transverse silvery lines; reniform in part with a silvery border; a row of marginal black dots, with silvery lunules; ciliæ with pale dots. Hind wings cinereous-red; ciliæ with whitish streaks. Length of the body 5 lines; of the wings 12 lines.

a. North America.

7. Callopistria granitosa.

Fœm. *Rufo-fusca; alæ anticæ fere integræ, vix angulatæ, roseo tinctæ, lituris bene determinatis fusco-ferrugineis, fasciis 1a ad 3am undulatis duplicatis, lineis intermediis albidis nitentibus, submarginali diffusa e denticulis ferrugineo notatis, maculis tribus optime determinatis ferrugineo marginatis, claviformi magna rotundata.*

Eriopus granitosa, *Guen. Noct.* ii. 295, 1100.
North America.

South America.

8. Callopistria Juventina.

Fuscescens; alæ flavescentes; anticæ fusco irroratæ, strigis duabus obliquis, orbiculari et reniformi fuscis, striga tenui subapicali albida.

Phalæna-Noctua Juventina, *Cram. Pap. Exot.* iv. 245, pl. 400, f. N.
Bombyx lagopus, *Fabr. Ent. Syst.* iii. 435, 88.
Callopistria lagopus, *Hübn. Verz. Schmett.* 216, 2160.
Surinam.

Africa.

9. Callopistria roseitelum.

Cinerea; thorax fusco conspersus; alæ anticæ fusco conspersæ, lineis transversis undulatis albidis nigro marginatis, striga rosea lanceolata exteriore, linea submarginali e guttis nigris albo marginatis; posticæ cinereæ, ciliis albidis.

Cinereous. Thorax and fore wings speckled with brown. Fore wings with transverse irregular undulating whitish black-bordered lines; submarginal line formed by a row of black white-bordered dots; exterior margin slightly angular in the middle; orbicular and reniform spots indistinct; a rosy lanceolate streak between the exterior line and the submarginal line. Hind wings cinereous, with whitish ciliæ. Length of the body 5 lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

Asia.

A. Alæ anticæ non virides.
A. Alæ posticæ non fusco marginatæ.
a. Alæ anticæ linea nulla argentea.
a. Abdomen albido fasciatum. - - exotica, *Guen.*
b. Abdomen albido non fasciatum.
i. Alæ anticæ fasciis nullis roseis. - repleta, *Walk.*
ii. Alæ anticæ fasciis roseis. - - duplicans, *Walk.*

B. Alæ anticæ linea submarginali argentea. rivularis, *Walk.*
B. Alæ posticæ fusco marginatæ. - - Placodoides, *Guen.*
B. Alæ anticæ virides. - - - - - chloriza, *Guen.*

10. CALLOPISTRIA EXOTICA.

Cervina; thorax fasciis pallidioribus et nigro-fuscis; abdomen cinerascens, albido fasciatum; alæ anticæ lineis transversis undulatis canis et nigro-fuscis, strigis duabus obliquis costalibus lineaque marginali lanceolata albidis, posticæ cinerascentes. Var. β.—*Alæ anticæ pallidiores.* Var. γ.—*Alæ anticæ fasciis maculisque subobsoletis.*

Eriopus exotica, *Guen. Noct.* ii. 294, 1097.

Java.

11. CALLOPISTRIA PLACODOIDES.

Fusca; thorax squamosus; abdomen cinerascens; alæ anticæ fasciis undulatis glaucescentibus nigro-fusco marginatis, annulis duobus discalibus oblongis constrictis lineaque transversa exteriore albidis; posticæ canescentes, fusco marginatæ.

Eriopus Placodoides, *Guen. Noct.* ii. 296, 110, b.

Java.

12. CALLOPISTRIA CHLORIZA.

Viridescens; abdomen pallide cinereum; alæ anticæ maculis nonnullis variis nigris lineolisque cuneatis albis; posticæ albidæ.

Eriopus chloriza, *Guen. Noct.* ii. 296, 1102.

Java.

13. CALLOPISTRIA REPLETA.

Fœm. *Cervina; caput supra nigrum; thorax nigro fasciatus; abdomen cinereum; alæ anticæ basi nigra, linea contigua transversa angulata albida, fasciis duabus albidis nigro interlineatis spatium nigrum includentibus, maculis discalibus longis angustis, orbiculari albido marginata, reniformi albida lineolis duabus fuscis, fascia exteriore nigra diffusa, linea submarginali argentea undulata, strigis tribus submarginalibus albidis, margine exteriore subexcavato subangulato, ciliis nigris; posticæ cinereæ, ciliis testaceis.*

Female. Fawn-colour. Head black above. Thorax with an irregular black band. Abdomen cinereous. Fore wings with a transverse angular whitish line near the base, which is black; two whitish bands interlined with black; first angular, interior; second exterior, hardly curved, slightly oblique; intermediate part black, or speckled with black; orbicular and reniform spots long, narrow, converging hindward; orbicular with a whitish border; reniform whitish, with two brown lines; an irregular diffuse black band near the submarginal line, which is silvery, undulating and very slender; three whitish submarginal streaks; the first extending to the costa; the second and third interrupting the submarginal line; exterior border slightly excavated, indistinctly angular in the middle; ciliæ black. Hind wings cinereous, with testaceous ciliæ. Length of the body 6 lines; of the wings 16 lines.

a. North India.

14. CALLOPISTRIA DUPLICANS.

Mas. *Ferruginea; abdomen cinereum; alæ anticæ linea basali transversa angulata albida, fasciis duabus duplicatis pallide roseis, orbiculari minima oblonga obliqua roseo marginata, reniformi alba longa angusta fusco bilineata, strigis quinque lanceolatis submarginalibus albidis, linea submarginali alba undulata; posticæ æneo-cinereæ, ciliis pallidis.*

Male. Much resembling the preceding species. Ferruginous. Abdomen cinereous. Fore wings with a transverse angular whitish line near the base; two double pale rosy bands; first interior, curved; second exterior, slightly undulating; orbicular spot very small, oblong, oblique, with a pale rosy outline; reniform whitish, long, narrow, enclosing two brown lines, approaching the orbicular hindward; five whitish lanceolate submarginal streaks; the two hindmost intersecting the submarginal line, which is white, undulating and slender; exterior border slightly angular in the middle. Hind wings cinereous, with an æneous tinge; ciliæ paler. Length of the body 6 lines; of the wings 14 lines.

a. Hindostan. From Archdeacon Clark's collection.

15. CALLOPISTRIA RIVULARIS.

Fœm. *Ferrugineo-fusca; thorax albo conspersus; abdomen cinereum; alæ anticæ cupreo tinctæ, linea basali duplicata transversa alba, orbiculari et reniformi oblongis roseo marginatis, linea intermedia brevi transversa alba, linea exteriore transversa duplicata rosea, litura discali strigisque tribus submarginalibus albis, linea submarginali argentea undulata, margine exteriore subangulata; posticæ cupreæ.*

Female. Ferruginous-brown. Thorax speckled with white. Abdomen cinereous. Fore wings with a slight cupreous tinge; an irregular double transverse white line near the base; orbicular spot oblong, distinguished, like the reniform, by its pale rosy border; a short transverse white line between the spots joining near the costa a double or treble slightly undulating pale rosy transverse line; reniform spot long, narrow, approaching a white mark in the disk; three submarginal white streaks; the hindmost intersecting the submarginal line, which is silvery, undulating, and very slender; exterior border indistinctly angular in the middle. Hind wings cupreous. Length of the body 4½ lines; of the wings 10 lines.

a. North India. From Mr. James' collection.

Country unknown.

16. CALLOPISTRIA GANGA.

Violaceo-fusca, C. Floridensi *affinis; palpi magis ascendentes; tibiæ intermediæ rufo nigroque variæ, fascia exteriore magis flexa alteraque externa parallelis.*

Eriopus Ganga, *Guen. Noct.* ii. 293, 1095.

Genus 5. COXINA.

Corpus validum. Proboscis gracilis, mediocris. Palpi longissimi, ascendentes, non obliqui; articulus 2us ensiformis; 3us linearis, apice compressus acutus, 2o non brevior. Antennæ simplices, corporis dimidio paullo longiores. Thorax subquadratus, convexus, crassus, cristatus, villoso-squamosus. Abdomen longum, obconicum, carinatum, cristis quatuor aut quinque, apice productum acutum. Pedes longi, validi; tibiæ latæ, villoso-lanosæ, calcaribus

validis. Alæ latæ; anticæ fasciis lineisque variis, apud costam rectæ, apice subangulatæ, margine exteriore vix obliquo.

Coxina, *Guen. Noct.* ii. 297.

Body stout. Proboscis slender, of moderate length. Palpi vertical, very long; second joint ensiform; third linear, compressed and acute at the tip, as long as the second. Antennæ simple, a little more than half the length of the body. Thorax subquadrate, convex, stout, crested, villose-squamose. Abdomen long, obconical, with four or five crests, lengthened and acute at the tip, extending a little beyond the hind wings. Legs long, stout; tibiæ villose-lanuginous; hind tibiæ with stout spurs. Wings broad. Fore wings with various lines and bands, straight in front, slightly angular at the tips; exterior border hardly oblique.

1. Coxina ensipalpis.

Mas. *Fusco-cinerea: alæ anticæ ochraceo variæ, parte basali obscura, lineaque interiore connexis, fascia lata carneo-subpurpurea apud medium dilatata, macula reniformi subpurpureo varia extus nigro lineata, litura parva guttiformi albida reniformem trajiciente, linea submarginali rufescente albida bene determinata; posticæ cinereæ, lineis duabus analibus fractis albis, anteriore strigaque nigra conjunctis.*

Coxina ensipalpis, *Guen. Noct.* ii. 298, 1104.

Mexico.

2. Coxina minax.

C. ensipalpi *affinis sed distincta. Nigro-cinerea, linea interiore subarcuata, fascia sequente albida cinereo conspersa vix carnea lineaque nigricante biarcuata connexis, hâc et submarginali indistincta rufescente nebulosa parallelis, macula reniformi carneo-alba nigro extus lineata puncta duæ flavescente-alba includente.*

Coxina minax, *Guen. Noct.* ii. 298, 1105.

Yucatan.

3. Coxina hadenoides.

Mas. *Cinerascens; pedes minus villosi; alæ anticæ ex parte roseo tinctæ, non fasciatæ nec maculatæ, reniformi obsoleta, lineis mediis dentatis, linea submarginali indistincta; posticæ cinereæ, basi pallidiores, lineis analibus abbreviatis approximatis albis.*

Coxina hadenoides, *Guen. Noct.* ii. 299, 1106.
Mexico.

Fam. 2. EURHIPIDÆ.

Corpus robustum. Caput et thorax arcte conjuncta. Proboscis sæpissime brevis. Palpi ascendentes, approximati; articulus 3us plus minusve longus. Antennæ breviusculæ. Thorax convexus. Prothorax bene determinatus. Abdomen obconicum, fasciculis parvis apicalibus plus minusve divergentibus. Alæ anticæ sæpe angulatæ, sæpissime denticulatæ. *Mas.*—Antennæ dimidio basali robusto ciliato.

Eurhipidæ, *Guen. Noct.* ii. 300.
Hadenides, p., *Boisd.; Dup.*

Body stout. Head somewhat enclosed in the thorax. Proboscis very generally short. Palpi ascending, approximate; third joint more or less elongated. Antennæ rather short. Thorax convex. Prothorax well developed. Abdomen obconical, with small apical more or less diverging tufts. Fore wings often angular, very generally denticulated. Hind wings small. *Male.*—Antennæ robust and ciliated for half the length from the base.

A. Alæ anticæ margine exteriore denticulato.
A. Antennæ *maris* pectinatæ. - 1. PHLEGETONIA, *Guen.*
B. Antennæ *maris* serratæ. - - 3. EUTELIA, *Hübn.*
B. Alæ anticæ margine exteriore non denticulato.
A. Antennæ *maris* pectinatæ. - - 5. INGURA, *Guen.*
B. Antennæ *maris* serratæ. - - - 4. ANUGA, *Guen.*
C. Antennæ simplices. - - - 2. PENICILLARIA, *Guen.*

Genus 1. PHLEGETONIA.

Corpus robustum, dense pilosum. Frons fasciculata. Proboscis brevissima. Palpi crassi, porrecti, pilosi, caput sat superantes; articulus 3us cylindricus, 2i dimidio non brevior. Antennæ corporis dimidio longiores. Thorax cristatus. Abdomen subcristatum, alas posticas superans, apice bifasciculatum. Pedes crassi; tibiæ posticæ calcaribus longis. Alæ breviusculæ, sat angustæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore subangulato subdenticulato. *Mas.*—Antennæ dimidio basali pectinatæ.

Phlegetonia, *Guen. Noct.* ii. 301.

Body stout, thickly clothed. Front tufted. Proboscis very short. Palpi very stout, porrect, pilose, extending rather far beyond the head; third joint cylindrical, about half the length of the second. Antennæ more than half the length of the body. Thorax crested. Abdomen slightly crested, extending somewhat beyond the hind wings, with two thick tufts at the tip. Legs very stout; hind tibiæ with long spurs. Wings rather short and narrow. Fore wings straight in front, rectangular at the tips; exterior border slightly angular in the middle and slightly denticulated. *Male.*—Antennæ moderately pectinated for full half the length, minutely ciliated from thence to the tips.

1. PHLEGETONIA CATEPHIOIDES.

Nigra; abdomen apud medium fusco rufescente varium; alæ anticæ cinereo fuscoque variæ, fasciis lineisque conspicuis, macula apicali cinerascente, reniformi albo notata; posticæ albæ, nigro late marginatæ.

Phlegetonia Catephioides, *Guen. Noct.* ii. 301, 1107.

South Africa.

2. PHLEGETONIA? CARBO.

Nigra; alæ anticæ lineis transversis duplicatis subparallelis subundulatis atris, squamis nonnullis albis, reniformi vix conspicua; posticæ albæ, opalinæ, venis apice margineque nigris, squamis nonnullis apud angulum exteriorem cinereis.

Phlegetonia Carbo, *Guen. Noct.* ii. 302, 1108.

Australia.

Genus 2. PENICILLARIA.

Corpus robustum. Proboscis mediocriter longa. Palpi validi, porrecti, caput longe superantes; articulus 3us linearis, 2i dimidio non longior. Antennæ simplices, validæ, subpubescentes, corporis dimidio paullo longiores. Abdomen alas posticas dimidio fere superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ breviusculæ, sat angustæ, apud marginem exteriorem subdenticulatæ et subangulatæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore subobliquo.

Penicillaria, *Guen. Noct.* ii. 302.

Body stout. Proboscis moderately long. Palpi stout, porrect, extending far beyond the head; third joint linear, about half the length of the second. Antennæ simple, stout, very minutely pubescent, a little more than half the length of the body. Abdomen extending for nearly half the length beyond the hind wings. Legs stout; hind tibiæ with four long spurs. Wings rather short and narrow, slightly indented and angular along the exterior border. Fore wings straight in front, rectangular at the tips, slightly oblique along the exterior border; fourth inferior vein remote from the others.

Asia.

1. Penicillaria nugatrix.

Obscure ferruginosa; abdomen cervinum; alæ anticæ lineis transversis pallidis fusco marginatis; posticæ albæ, margine latissimo ferruginoso.

Penicillaria nugatrix, *Gæen. Noct.* ii. 303, 1110.

a—d. North India. From Mr. Stevens' collection.
e. Ceylon. Presented by R. Templeton, Esq.

2. Penicillaria Jocosatrix.

Fusca, subpurpurascens; tarsi albo cincti; alæ anticæ lineis transversis angulatis strigaque discali albidis, fascia obliqua ferruginea; posticæ albæ, semihyalinæ, margine latissimo purpureo-fusco.

Penicillaria Jocosatrix, *Guen. Noct.* ii. 304, 1111.

Java.

3. Penicillaria delatrix.

Ferrugineo-fusca; tarsi albo-cincti; alæ anticæ fascia, gutta postica maculisque duabus anticis nigro-fuscis ex parte albido marginatis; posticæ cinereæ, apud margines fuscæ. Var. β.—*Alæ anticæ fuscæ, macula costali subapicali dimidioque basali obscurioribus, macula 2a guttaque postica obsoletis.*

Penicillaria delatrix, *Guen. Noct.* ii. 304, 1112.

Java.

4. PENICILLARIA PALLIATRIX.

Pallide cervina; thorax anticé squamis albis margaritaceis marginatus; alæ anticæ punctis lineisque transversis angulosis nigris, macula trigona costali subapicali saturate cervina, litura discali fulva albo marginata guttaque contigua alba; posticæ cinereæ, cervino marginatæ.

Penicillaria palliatrix, *Guen. Noct.* ii. 305, 1113.

Java.

Country unknown.

5. PENICILLARIA ABLATRIX.

Ferruginea; pectus album; pedes annulati; alæ anticæ suboblongæ, apice dentatæ, apud marginem exteriorem perobliquæ, plaga apud angulum interiorem alba, macula reniformi alba punctis duobus fuscis, macula apicali alba fusco conspurcata, lunulis duabus apicalibus nigris albo marginatis, striga contigua alba perobliqua, lineis transversis albis; posticæ albæ, margine rufescente lineaque nigricante connexis.

Penicillaria ablatrix, *Guen. Noct.* ii. 303, 1109.

Genus 3. EUTELIA.

Corpus robustum. Caput bifasciculatum. Proboscis brevis. Palpi longi, ascendentes, caput longi superantes; articulus 3us cylindricus, 2o non brevior. Antennæ corporis dimidio paullo longiores. Abdomen alas posticas dimidio superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ angustæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore denticulato subangulato postice perobliquo. *Mas.*—Antennæ serratæ. Abdomen apice fasciculatum.

Eutelia, *Hübn. Verz. Schmett.* 259.

Eurhipia, *Boisd.; Guen. Ann. Soc. Ent. Fr.* vii. 222; *Noct.* ii. 305.

Phlogophora, p., *Ochs.; Treit.*

Body stout. Head tufted on each side at the base of the antennæ. Proboscis short. Palpi long, obliquely ascending, extending far beyond the head; third joint cylindrical, as long as the second. Antennæ little more than half the length of the body.

Abdomen extending for half its length beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings narrow. Fore wings straight in front, somewhat rounded at the tips; exterior border denticulated and slightly angular, very oblique along its hinder part. *Male.*—Antennæ serrated. Abdomen tufted at the tip.

1. Eutelia adulatrix.

Cinereo-fusca; thorax albo conspersus; abdomen macula dorsali alba; alæ anticæ fascia media lata alba, lineis transversis undulatis albis nigrisque, maculis duabus marginalibus nigro-cyaneis, una exteriore, altera interiore; posticæ albæ, macula discali subtus margineque fuscis.

Noctua adulatrix, *Hübn. Eur. Schmett. Noct.* pl. 111, f. 517; pl. 142, f. 549, 550. *Dup. Hist. Nat. Lép. Fr.* vi. 352, pl. 94, f. 6; vii. 331, pl. 120, f. 3, 4. *Frey. Beitr.* iii. pl. 195.

Phlogophora adulatrix, *Treit. Schmett.* v. 370, 1. *Saporta, Ann. Soc. Ent. Fr.* iii. 187.

Noctua (Phlogophora) adulatrix, *Meig. Syst. Besch.* iii. 120, 69, pl. 101, f. 2, 3.

Eutelia adulatrix, *Hübn. Verz. Schmett.* 259, 2553.

Eurhipia adulatrix, *Boisd. Ind. Méth.* 122, 967. *Guen. Noct.* ii. 306, 1114.

South France.

a—e. Europe. From M. Becker's collection.

2. Eutelia blandiatrix.

E. adulatrice *paullo major; alæ anticæ minus albo variæ, lituris omnibus minus dentatis; posticæ basi obscuratæ, margine saturate obscuro.*

Eurhipia blandiatrix, *Boisd. Ind. Méth.* 122, 968. *Guen. Noct.* ii. 307, 1115.

Spain? Sicily?

Genus 4. ANUGA.

Fœm. Corpus sat robustum. Proboscis brevis. Palpi crassi, porrecti; articulus 3us gracilis, lanceolatus, 2i dimidio non longior. Antennæ graciles, simplices, corporis dimidio multo longiores. Abdomen alas posticas dimidio superans. Pedes sat validi; tibiæ

posticæ calcaribus longiusculis. Alæ angustæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Anuga, *Guen. Noct.* ii. 307.

Female. Body moderately stout. Proboscis short. Palpi thick, porrect; third joint slender, lanceolate, about half the length of the second. Antennæ slender, simple, much more than half the length of the body. Abdomen extending for about half its length beyond the hind wings. Legs rather stout; hind tibiæ with four rather long spurs. Wings narrow. Fore wings straight in front, rounded at the tips, rather oblique along the exterior border; first and second inferior veins contiguous; third near the second; fourth rather near the third.

1. Anuga constricta.

Fusca; abdomen cinereo varium; alæ anticæ punctis, plagis discalibus lineaque transversa exteriore angulosa albidis, gutta annuloque discalibus nigris; posticæ guttis nonnullis albidis, punctis submarginalibus nigris.

Anuga constricta, *Guen. Noct.* ii. 308, 1116.

Hindostan.

Genus 5. INGURA.

Mas. Caput et thorax robusta. Proboscis brevis. Palpi porrecti, longiusculi, caput sat superantes; articulus 3us linearis, 2i dimidio multo longior. Antennæ corporis dimidio non longiores, dimidio basali pectinate. Abdomen oblanceolatum, thorace multo angustius, abdomen superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ angustæ, breviusculæ; anticæ apud costam subrectæ, apice rotundatæ, margine exteriore sat obliquo.

Ingura, *Guen. Noct.* ii. 309.

Male. Head and thorax rather stout. Proboscis short. Palpi porrect, rather long, extending some distance beyond the head; third joint linear, much more than half the length of the second. Antennæ about half the length of the body, moderately pectinated to a little more than half the length. Abdomen oblanceolate, much more slender than the thorax, extending beyond the hind wings. Legs stout, pilose; hind tibiæ with four long spurs. Wings narrow, rather short. Fore wings nearly straight in front, rounded at the tips, rather oblique along the exterior border.

North America.

1. Ingura delineata.

Mas. *Cinerea; antennæ pectinatæ; abdomen longum, acutum, alas posticas dimidio superans; alæ anticæ fasciis interiore et exteriore duplicatis, strigis duabus anticis marginalibus obscuris; posticæ ciliis flavescente albis.*

Ingura delineata, *Guen. Noct.* ii. 311, 1118.

United States.

2. Ingura abrostoloides.

Fœm. *Rufescente-cinerea; abdomen maculis duabus basalibus lateralibus fasciisque duabus nigris; alæ anticæ subdentatæ, lineis duabus medianis remotis duplicatis, linea submarginali e litura flexuosa postica punctorum rufescentium, reniformi e punctis duobus rufescentibus cinereo marginatis; posticæ nigricante-cinereæ, basi pallidiores.*

Ingura abrostoloides, *Guen. Noct.* ii. 311, 1119.

North America.

3. Ingura cristatrix.

Cinerascens; alæ lineis marginalibus albidis; anticæ fuscæ, vitta rosea, linea basali lanceolata vittaque valde undulata albidis nigro marginatis.

Ingura cristatrix, *Guen. Noct.* ii. 313, 1122.

North America?

4. Ingula oculatrix.

Albido-cinerea; alæ anticæ cinereæ, striga lata basali, vitta arcuata exteriore maculaque submarginali testaceo albis ex parte nigro marginatis, vittæ apice lineolam nigram includente, linea marginali fusca; posticæ cinereæ, basi albidæ.

Ingura oculatrix, *Guen. Noct.* ii. 313, 1123.

a. United States. Presented by E. Doubleday, Esq.

West Indies.

5. Ingura arcigera.

Fœm. *Cinerea; palporum articulus 2us magnus, securiformis; thorax linea transversa nigra; alæ anticæ litura basali angulata et arcu apicali nigris, lineis duabus cinereis angulosis parallelis approximatis; posticæ basi pallidæ, nigricante marginatæ.*

Ingura arcigera, *Guen. Noct.* ii. 312, 1120.

Isle St. Thomas.

South America.

6. Ingura lunodes.

Cinerascens; alæ anticæ cinereo-fuscæ, macula apicali alba; fascia obliqua latissima cana; cinereo signata, fascia lunulata interiore fasciaque arcuata duplicata exteriore atris, lunulis marginalibus nigris macula apicali alba; posticæ fuscæ, linea marginali interrupta nigra, ciliis ex parte albis.

Ingura lunodes, *Guen. Noct.* ii. 310, 1117.

Honduras. Cayenne. Brazil.

7. Ingura obrotunda.

Fœm. *Flavescente-cinerea; abdomen squamis nonnullis nigris; alæ anticæ rotundatæ, litura angulata basali, arcu posteriore lineaque mediana dentata nigris non bene determinatis, linea submarginali indistincta flexuosa duplicata, macula semilunari sordide albida strigaque nigra apicalibus, punctis marginalibus nigris; posticæ cinereæ, basi pallidæ, nigricante marginatæ.*

Ingura obrotunda, *Guen. Noct.* ii. 312, 1121.

Brazil.

Fam. 3. PLACODIDÆ.

Statura minor. Corpus sat gracile. Frons rotundata. Proboscis sat longa. Palpi non longi, articulis distinctis. Antennæ simplices. Thorax brevis, tegulis non bene determinatis. Abdomen vix villosum. Pedes non elongati, vix pilosi. Alæ anticæ integræ.

Placodidæ, *Guen. Noct.* ii. 315.

Size rather small. Body somewhat slender. Front rounded. Proboscis moderately long. Palpi not long, with distinct joints. Antennæ simple. Thorax short; lappets not much developed. Abdomen hardly villose. Legs not long, slightly pilose. Fore wings entire.

A. Palporum articulus 3us 2i dimidio æqualis.
1. PLACODES, *Boisd.*

B. Palporum articulis 2us 3o quadruplo longior.
2. DIASTEMA, *Guen.*

Genus 1. PLACODES.

Corpus sat gracile. Proboscis mediocriter longa. Palpi porrecti, sat validi; articulus 3us cylindricus, 2i dimidio non longior. Antennæ simplices, corporis dimidio valde longiores. Abdomen alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subrotundatæ, margine interiore subconvexo perparum obliquo.

Placodes, *Boisd. Ind. Méth.* 129; *Dup.*; *Guen. Noct.* ii. 315.
Trigonophora, p., *Hübn.*
Hadena, p., *Ochs.*
Plusia aut Abrostola, *Treit.*

Body rather slender. Proboscis moderately long. Palpi porrect, rather stout; third joint cylindrical, about half the length of the second. Antennæ simple, much more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs moderately stout; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, slightly rounded at the tips, slightly convex and very slightly oblique along the exterior border.

Europe.

1. Placodes amethystina.

Fusca; abdomen cinereum; alæ anticæ cupreo-fuscæ, maculis tribus nigris discalibus albo ex parte marginatis, fasciis duabus repandis pallide purpureis; posticæ pallide cinereæ, margine obscuriore.

Noctua amethystina, *Hübn. Eur. Schmett. Noct.* 69, pl. 130, f. 597, 598. *Dup. Hist. Nat. Lép. Fr.* vi. 328, pl. 93, f. 3, 4.
Trigonophora amethystina, *Hübn. Verz. Schmett.* 217, 2163.
Plusia amethystina, *Treit. Schmett.* v. 136, 1.
Noctua (Hadena) amethystina, *Meig. Syst. Besch.* iii. 109, 49, pl. 101, f. 13.
Placodes amethystina, *Boisd. Ind. Méth.* 129, 1036. *Guen. Noct.* ii. 316, 1124.

a—c. Europe. From M. Becker's collection.

2. Placodes Spencei.

Alæ anticæ cinereo-fuscescentes, nitidæ, roseo-luteæ, maculis duabus costalibus fuscis roseo separatis strigaque revoluta roseo-albida; posticæ cinereo-fuscæ, basi dilutiores.

Placodes Spencei, *Boisd. Ind. Méth.* 129, 1038. *Guen. Noct.* ii. 316, 1125.

Lombardy.

North America.

3. Placodes cinereola.

Fusco-cinerea; alæ anticæ obscuriores, fascia exteriore latissima pallidiore lineis duabus albidis marginata, linea exteriore lunulata.

Placodes cinereola, *Guen. Noct.* ii. 316, 1126.

a. New York. Presented by E. Doubleday, Esq.

Asia.

4. Placodes? fusco-maculata.

Alæ anticæ cinereæ fusco nebulosæ et striatæ, ad costam maculis duabus fuscis albo annulatis; posticæ subcinereæ.

Placodes fusco-maculata, *Bremer und Grey, Beitr. zur Schmett. Fauna des Nordlichen China's*, 17, 89.

North China.

Genus 2. DIASTEMA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi oblique ascendentes; articulus 3us conicus, brevissimus. Antennæ validæ, corporis dimidio multo longiores. Abdomen alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longissimis. Alæ anticæ sat angustæ, apud costam rectæ, apice subrotundatæ, margine exteriore mediocriter obliquo. *Mas.* — Antennæ ciliatæ.

Diastema, *Guen. Noct.* ii. 317.
Placodes, p., *Boisd.*
Plusia, p., *Treit.*; *Dup.*

Body rather slender. Proboscis moderately long. Palpi obliquely ascending; third joint minute, conical, less than one-fourth of the length of the second. Antennæ stout, much more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs rather stout; hind tibiæ with very long spurs. Fore wings rather narrow, straight in front, somewhat rounded at the tips, moderately oblique along the exterior border. *Male.* Antennæ ciliated.

1. Diastema virgo.

Albido-rosea; abdomen cinereum linea alba; alæ anticæ glaucescente variæ, apud marginem exteriorem obscuriores, maculis duabus subcostalibus fuscis, macularum marginibus, lineis duabus obliquis postice connexis lineaque submarginali albidis; posticæ cinereæ, margine fuscescente, ciliis pallidis.

Placodes virgo, *Boisd. Ind. Méth.* 129, 1037.
Plusia virgo, *Treit. Suppl.* 130. *Eversm. Faun. Volg-Ural.* 313. *Dup. Suppl.* iv. 521, pl. 90. *Herr.-Schæff. Schmett. Eur.* ii. pl. 49, f. 248, 249.
Diastema virgo, *Guen. Noct.* ii. 317, 1128.

Ural Region.

2. Diastema Tigris.

Albida, testacco subtincta; alæ anticæ lineis transversis plurimis testaceis, fasciis quatuor incompletis macularibus guttisque marginalibus cervinis; posticæ albæ.

Diastema Tigris, *Guen. Noct.* ii. 1127.

Colombia.

Fam. 4. PLUSIDÆ.

Corpus robustum. Proboscis longa. Palpi ascendentes, bene determinati; articulus 3us sæpe longus. Antennæ graciles, filiformes, simplices. Thorax fasciculis elevatis. Abdomen cristatum. Alæ anticæ nitentes, non latæ, apice acutæ, sæpe maculis et lituris auratis aut argenteis; posticæ non signatæ.

Plusidæ, *Boisd. Ind. Méth.* 91; *Guen. Noct.* ii. 319.

Body stout. Proboscis long. Palpi ascending, well developed; third joint generally long. Antennæ slender, filiform, simple. Thorax with elevated tufts. Abdomen crested. Fore wings shining, not broad, acute at the tips, often adorned with gilded or silvery spots or marks. Hind wings without marks like those of the fore wings.

A. Alæ anticæ margine interiore non dentato.
  A. Abdomen cristatum.
    a. Alæ anticæ non metallicæ. - 1. Abrostola, *Ochs.*
    b. Alæ anticæ sæpissime plus minusve metallicæ. 3. Plusia, *Ochs.*
  B. Abdomen non cristatum.
    a. Palpi non fasciculati.
      a. Alæ anticæ margine exteriore non denticulato.
        i. Alæ anticæ latæ. - - - 2. Calyptis, *Guen.*
        ii. Alæ anticæ angustæ. - - 8. Congana, *Walk.*
      b. Alæ anticæ margine exteriore denticulato.
        i. Abdomen depressum. - - 4. Thyria, *Guen.*
        ii. Abdomen carinatum. - 5. Basilodes, *Guen.*
    b. Palpi fasciculati. - - - - 7. Chliara, *Walk.*
B. Alæ anticæ apud marginem interiorem dentatæ. 6. Plusiodonta, *Guen.*

Genus 1. ABROSTOLA.

Corpus robustum. Proboscis longiuscula. Palpi longiusculi, suberecti; articulus 3us linearis, 2i dimidio non brevior. Antennæ subciliatæ, corporis dimidio longiores. Abdomen cristatum, alas posticas paullo superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ non latæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore sat obliquo.

Abrostola, *Ochs.; Hübn.; Treits.; Boisd.; Dup.; Steph.; Guen. Ann. Soc. Ent. Fr.* x. 67; *Noct.* ii. 320.

Body stout. Proboscis rather long. Palpi rather long, ascending, almost vertical; third joint linear, full half the length of the second. Antennæ simple, minutely ciliated, more than half the length of the body. Abdomen crested, extending a little beyond the hind wings. Legs stout, pilose; hind tibiæ with long spurs. Wings not broad. Fore wings straight in front, angular at the tips, rather oblique along the exterior border.

Europe.

1. Abrostola Urticæ.

Cinerea; palpi nigricantes; thorax cristis ferruginosis; abdomen cristis nigricantibus; alæ anticæ macularum marginibus, fasciis duabus duplicatis (una arcuata, altera undulata), et striga subapicali nigris, lineis duabus transversis undulatis albidis, una interiore, altera submarginali; posticæ nigro-cinereæ, basi pallidiores, ciliis pallidis.

——— ———, *Engr. Pap. d'Eur.* pl. 169, f. 4, 5.

Noctua Asclepiadis, *Esp. Schmett.* iv. pl. 169, f. 4, 5. *Bork. Eur. Schmett.* iv. 344. *Dup. Hist. Nat. Lép. Fr.* vii. 400, pl. 132, f. 3. *Haw. Lep. Brit.* 256.

Noctua Urticæ, *Hübn. Eur. Schmett. Noct.* pl. 137, f. 625. *Dup. Lép. Fr,* vii. pl. 132, f. 2. *Frey. Beitr.* iii. pl. 287.

Noctua triplasia, *Hübn. Eur. Schmett. Noct.* f. 269.

Abrostola Urticæ, *Hübn. Verz. Schmett.* 248, 2462. *Treit. Schmett.* v. 145, 4. *Steph. Ill. Brit. Ent. Haust.* iii. 97. *Boisd. Ind. Méth.* 157, 1258. *Meig. Syst. Besch.* iii. 248, 1, pl. 121, f. 4. *Guen. Noct.* ii. 821, 1129.

Abrostola Asclepiadis, *Steph. Ill. Brit. Ent. Haust.* iii. 97.

a—i. England. From Mr. Stephens' collection.
j—n. England.
o—r. Europe. From M. Becker's collection.
s. South Africa. Presented by Dr. A. Smith.
t. Cape. From M. Dregé's collection.

2. Abrostola Asclepiadis.

Cinerascens; thorax fascia antica vittisque duabus nigricantibus; alæ anticæ fascia media lata nigro-cinerea, nigro marginata, ocellos tres concolores includente, linea marginali e lunulis nigris; posticæ subcinereæ, margine lato nigricante, ciliis pallidis.

Noctua Asclepiadis, *Wien. Verz.* Y, 2. *Fabr. Ent. Syst.* iii. 2, 286? *Hübn. Eur. Schmett. Noct.* f. 627. *Frey. Beitr.* iii. pl. 286.
Abrostola Asclepiadis, *Hübn. Verz. Schmett.* 248, 2460. *Treit. Schmett.* v. pl. 142. *Boisd. Ind. Méth.* 157, 1257? *Guen. Noct.* ii. 322, 1132. *Bellier, de la Chavignerie, Ann. Soc. Ent. Fr.* 2*me Sér.* iv. *Bull.* 64.

France. Pyrenees. Switzerland.

a, *b*. Europe. From M. Becker's collection.

3. Abrostola triplasia.

Cinerea; caput, thoracis fasciæ et abdominis cristæ nigra; alæ anticæ nigro-cinereæ, basi et extus canescentes, fasciis duabus duplicatis (interiore arcuata, exteriore undulata), macularum marginibus et linea marginali lunulata nigris; posticæ cinereæ, basi pallidiores, ciliis albidis.

——— ———, *Röes. Ins.* i. 34, f. 1—5. *Deg. Ins.* i. 123, pl. 6, f. 13—21; ii. 442. *Geoff. Ins. Par.* ii. 152. *Engr. Pap. d'Eur.* 578, a—d.
Phalæna-Noctua triplasia, *Linn. Syst. Nat.* i. 5, 175.
Noctua triplasia, *Wien. Verz.* Y, 1. *Fabr. Ent. Syst.* iii. 2, 117, 354. *Sepp, Ins.* i. pl. 24. *Esp. Schmett.* iv. pl. 169, f. 1, 2. *Bork. Eur. Schmett.* iv. 343? *Hübn. Eur. Schmett. Noct.* f. 626. *Donov. Brit. Ins.* ix. pl. 298. *Haw. Lep. Brit.* 255. *Dup. Hist. Nat. Lép. Fr.* vii. 486, pl. 132. *Frey. Beitr.* iii. pl. 285.
Phalæna-Noctua complana, *Clerck, Icon.* pl. 9, f. 7.
Abrostola triplasia, *Hübn. Verz. Schmett.* 248, 2461. *Treit. Schmett.* v. 138. *Steph. Ill. Brit. Ent. Haust.* iii. 96. *Boisd. Ind. Méth.* 157, 1259. *Guen. Noct.* ii. 323, 1133.

a—*i*. England. From Mr. Stephens' collection.
j—*m*. England.
n—*r*. Europe. From M. Becker's collection.

North America.

4. Abrostola Urentis.

Cinerea; thorax nigro bifasciatus; abdomen pallidum; alæ anticæ orbiculari et reniformi maximis fasciisque variis pallide cinereis conspersis, illis nigro marginatis, lineis quatuor transversis nigris, 1a basali, 2a interiore, 3a exteriore, 4a lunulata marginali; posticæ pallide cinereis, linea margineque latissimo fuscis.

Abrostola Urentis, *Guen. Noct.* ii. 322, 1130.

a—d. Trenton Falls, New York. Presented by E. Doubleday, Esq.
e. St. John's Bluff, East Florida. Presented by E. Doubleday, Esq.
f. Nova Scotia. From Lieut. Redman's collection.

5. ABROSTOLA OVALIS.

Cinerea; thorax lateribus carneis; abdomen cristis nigris; alæ anticæ orbiculari et reniformi maximis nigro marginatis, plaga basali ovata carnea, strigis apud angulum interiorem albidis, lineis tribus transversis nigris, 1a interiore arcuata, 2a exteriore undulata, 3a marginali; posticæ nigro-cinereæ, basi ciliisque albidis.

Abrostola ovalis, *Guen. Noct.* ii. 322, 1132.

a, b. New York. Presented by E. Doubleday, Esq.

South America.

6. ABROSTOLA TINCTOIDES.

Mas. *Nigro-cinerea; fasciculus frontis nigro lineatus; abdomen pallidum; alæ anticæ apud fascias ferrugineo violaceo nebulosæ, plaga apud marginem exteriorem albo-viridescente, linea basali subarcuata, lineis medianis nigris remotis, linea submarginali vaga serrato-dentata, strigis duabus apicalibus nigris, orbiculari et reniformi nigro marginatis; posticæ nigricantes, basi albæ lunulis venisque nigris.*

Abrostola tinctoides, *Guen. Noct.* ii. 323, 1134.

Brazil.

Asia.

7. ABROSTOLA SUBAPICALIS.

Fœm. *Cinerea; thorax fasciis duabus indistinctis fuscescentibus; alæ anticæ lineis transversis undulatis subobsoletis, lineis duabus nigris duplicatis sat distinctis, una interiore angulosa, altera exteriore angulum anticum acutum fingente, litura furcata albida subapicali, macula apud angulum interiorem ferruginea, lunulis submarginalibus nigris, orbiculari et reniformi subobsoletis; posticæ albidæ, margine lato nigro-cinereo, macula apud angulum interiorem albida.*

Female. Cinereous. Thorax with two indistinct brownish bands. Fore wings with almost obsolete transverse undulating lines; two more distinct transverse double black lines; the one interior, somewhat zigzag; the second exterior, forming an acute angle in front; an irregular forked whitish mark between this angle and the tip; a ferruginous spot by the interior angle, and a row of slender submarginal black lunules; orbicular and reniform spots almost obsolete. Hind wings whitish, with broad dark gray borders, and with a whitish spot by the interior angle; lunules like those of the fore wings. Length of the body 6 lines; of the wings 13 lines.

a. North India. From Mr. James' collection.

Africa.

8. Abrostola transfixa.

Mas. *Cinerea; abdomen pallidum; alæ anticæ subschistaceæ, triente media obscuriore, fasciis duabus subroseis nigro marginatis, lineis basali et submarginali nigris, hac angulosa, orbiculari indistincta, reniformi nigro marginata, striga discali obliqua lanceolata albida, margine exteriore subdenticulato; posticæ pallide cinereæ, margine lato fuscescente, ciliis albidis fusco notatis.*

Male. Cinereous. Abdomen pale. Fore wings somewhat slate-colour, a little paler between the interior and exterior transverse lines, which are double, undulating, and black; a pinkish tinge between each pair; basal and submarginal lines black, the latter zigzag; orbicular spot indistinct; reniform with a black border, much excavated on the exterior side; a whitish lanceolate oblique streak across the space between the interior and the exterior lines, both of which it interrupts; exterior border slightly denticulate. Hind wings pale cinereous, with a broad brownish border; ciliæ whitish, with brown marks. Length of the body 6 lines; of the wings 16 lines.

a. Port Natal. From M. Gueinzius' collection.

Genus 2. CALYPTIS.

Fœm. Corpus robustum, læve. Frons plana. Oculi maximi. Proboscis valida, sat longa. Palpi ascendentes, approximati; articulus 2us subtumidus, arcuatus; 3us longissimus, rectus, com-

pressus, filiformis. Antennæ graciles, filiformes, simplices, corporis dimidio longiores. Abdomen apice acuminatum, alas posticas vix superans. Pedes sat graciles; tarsi spinosi. Alæ latæ; antice fasciis maculisque obsoletis, apud costam rectæ, apice acutæ, margine exteriore subobliquo.

Calyptis, *Guen. Noct.* ii. 323.

Female. Body robust, smooth. Front flat. Eyes very large. Proboscis rather long and stout. Palpi ascending vertically; second joint curved, slightly tumid; third very long, straight, compressed, filiform. Antennæ slender, simple, filiform, more than half the length of the body. Abdomen hardly extending beyond the hind wings, acuminated at the tip. Legs rather slender; tarsi spinose. Wings broad. Fore wings with a nearly rectangular stripe, but without the usual spots and bands, straight in front, acute at the tips, slightly oblique along the exterior border.

1. Calyptis Iter.

Fœm. *Cinerea; thorax albido varius; alæ anticæ auratæ, costa marginibusque cinereis, vitta cinereo-alba obliqua apud costam angulata, lineola antica submarginali alba; posticæ cinereæ, ciliis albidis.*

Calyptis Iter, *Guen. Noct.* ii. 324.

North America?

Genus 3. PLUSIA.

Corpus robustum Proboscis longiuscula. Palpi ascendentes aut erecti; articulus 3us variabilis. Abdomen cristatum, alas posticas sat aut vix superans. Pedes longiusculi; tibiæ posticæ calcaribus longis. Alæ anticæ apice plus minusve angulatæ, margine exteriore sat obliquo nonnunquam subdenticulato.

Plusia, *Ochs.; Treit.; Dup.; Steph.; Guen. Ann. Soc. Ent. Fr.* x. 65; *Noct.* ii. 324.

Euchalcia, Autographa, Polychrysia, Panchrysia, Agrapha, Diachrysia, Chrysaspidia et Syngrapha, *Hübn. Verz. Schmett.*

Plusia et Chrysoptera, *Latr.; Boisd.; Dup.*

Body stout. Proboscis rather long. Palpi ascending, oblique or vertical; third joint cylindrical or lanceolate, very variable as to length, occasionally as long as the second. Antennæ simple, more

than half the length of the body. Abdomen crested, extending somewhat, or very little, beyond the hind wings. Legs rather long; hind tibiæ with long spurs. Wings not broad. Fore wings generally partly gilded or silvery, straight in front, more or less angular at the tips, rather oblique and sometimes slightly denticulated along the exterior border.

Group 1.

Alæ anticæ sericeæ, lituris vix ullis metallicis.

Fore wings satiny, hardly adorned with metallic lustre.

1. Plusia Eugenia.

Albida; caput ferrugineum; thorax antice ferrugineus, postice lutescens; abdomen cristis ferrugineis; alæ anticæ roseæ, cinereo nebulosæ, fascia basali strigaque subapicali nigris, fascia exteriore angulata lineola postica lunulaque subapicali albis, macula apicali rubra; posticæ sordide testaceæ, fasciis duabus cinereis.

Plusia Eugenia, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1841, 1; *Faun. Volg-Ural.* 316. *Herr.-Schæff. Schmett. Eur.* ii. pl. 53, f. 267. *Guen. Noct.* ii. 329, 1140.

Plusia Cheiranthi, *Mém. Nat. Mosc.* ii. pl. 20.

South Ural Region.

2. Plusia illustris.

Viridi-cinereus; thorax fascia antica ochracea; abdomen testaceum; alæ venis nonnullis lineisque transversis undulatis roseis et testaceis, maculis tribus marginalibus ochraceis; posticæ sordide testaceæ, fascia margineque cinereis.

——— ———, *Engr. Pap. d'Eur.* 583, a—d.

Noctua illustris, *Fabr. Mant. Ins.* ii. 164, 195; *Ent. Syst.* iii. 2, 84, 245. *Bork. Eur. Schmett.* iv. 761, 346. *Hübn. Eur. Schmett. Noct.* pl. 56, f. 274. *Dup. Lép. Fr.* vii. 10, pl. 133, f. 1. *Frey. Beit.* pl. 65. *Haw. Lep. Brit.* 9.

Phalæna-Noctua illustris, *Gmel. ed. Syst. Nat.* i. 5, 2558, 1116.

Plusia illustris, *Treit. Schmett.* v. 154, 8. *Curt. Brit. Ent.* pl. 731. *Meig. Syst. Besch.* iii. 250, 2, pl. 121, f. 6. *Steph. Ill. Brit. Ent. Haust.* iii. 98. *Boisd. Ind. Méth.* 158, 1265. *Eversm. Faun. Volg-Ural.* 316. *Guen. Noct.* ii. 330, 1141.

Noctua cuprea, *Esp. Schmett.* iv. pl. 110, f. 4.
Euchalcia illustris, *Hübn. Verz. Schmett.* 250, 2471.

a—*c*. England. From Mr. Stephens' collection.
d, *e*. England.
f—*i*. Europe. From M. Becker's collection.
j. Germany.

3. Plusia Uralensis.

Testaceo-cinerea; alæ anticæ roseæ, triente media glauco-cinerea flavo extus marginata, striga obliqua glauca maculaque reniformi albo marginatis, lineis duabus transversis interioribus linea discali lineaque submarginali albis, margine exteriore glaucescente maculis tribus oblongis rubris; posticæ cinereæ, fascia testacea.

Plusia Uralensis (illustris, *var.*), *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1842, 2; *Faun. Volg-Ural.* 316. *Herr.-Schæff. Schmett. Eur.* ii. pl. 53, f. 268.
Plusia Uralensis, *Dup. Hist. Nat. Lép. Fr. Suppl.* iv. 522, pl. 90. *Guen. Noct.* ii. 330, 1142.

Ural Region.

4. Plusia modesta.

Pallide cinerea; thorax antice testaceus; abdomen cristis ferrugineis; alæ anticæ fusco variæ, fascia basali, fasciis duabus duplicatis (interiore angulata, exteriore subundulata,) macularum marginibus, gutta intermedia lineisque duabus submarginalibus postice connexis albidis; posticæ cinereæ.

——— ———, *Engr. Pap. d'Eur.* 580, a, b.
Noctua cuprea, *Esp. Schmett.* iv. pl. 110, f. 3.
Noctua modesta, *Hübn. Eur. Schmett. Noct.* pl. 76, f. 354. *Dup. Lép. Fr.* vii. 2, pl. 133, f. 2.
Euchalcia modesta, *Hübn. Verz. Schmett.* 250, 2472.
Plusia modesta, *Treit. Schmett.* v. 152, 7. *Meig. Syst. Besch.* iii. 250, 3, pl. 121, f. 7. *Boisd. Ind. Méth.* 158, 1264. *Eversm. Faun. Volg-Ural.* 316. *Guen. Noct.* ii. 331, 1143.

a, *b*. Europe. From M. Becker's collection.

5. Plusia consona.

Cinerea; antennæ rufescentes; thorax maculis tribus nigricantibus; margo anticus rufescens; abdomen canescens, cristis fuscis; alæ anticæ nigro-fuscæ, basi apiceque subtestaceæ, lineis duabus transversis undulatis duplicatis unaque exteriore testaceis, annulo punctoque discalibus lineaque posteriore argenteis; posticæ canescentes, fascia margineque lato cinereis.

Noctua consona, *Fabr. Mant. Ins.* ii. 163, 194; *Ent. Syst.* iii. 2, 83, 244. *Bork. Eur. Schmett.* iv. 759, 345. *Hübn. Eur. Schmett. Noct.* pl. 56, f. 273. *Dup. Lép. Fr.* vii. 15, pl. 133, f. 3. *Frey. Beit.* iii. pl. 214.

Phalæna-Noctua consona, *Gmel. ed. Syst. Nat.* i. 5, 2558, 1115.

Plusia consona, *Treit. Schmett.* v. 150, 6. *Meig. Syst. Besch.* iii. 249, 1, pl. 121, f. 8. *Boisd. Ind. Méth.* 158, 1263. *Guen. Noct.* ii. 331, 1144.

Euchalcia consona, *Hübn. Verz. Schmett.* 250, 2473.

a—e. Europe. From M. Becker's collection.

Group 2.

Palpi longissimi, articulo 3o arcuato lanceolato.

Chrysoptera, *Latr.*; *Boisd.*

Autographa, p., Polychrysia et Panchrysia, *Hübn.*

Palpi very long, curved; third joint lanceolate, as long as the second.

6. Plusia concha.

Rufo-ferruginea; abdomen cinereum; alæ anticæ macularum marginibus et fasciis undulatis fuscis, lituris basalibus et discalibus, plaga postica fasciaque diffusa submarginali aureis.

——— ———, *Engr. Pap. d'Eur.* 587.

Noctua concha, *Fabr. Mant. Ins.* ii. 161, 174. *Ent. Syst.* iii. 2, 77, 221. *Bork. Eur. Schmett.* iv. 779, 356. *Hübn. Eur. Schmett. Noct.* pl. 59, f. 287; pl. 97, f. 458. *Fisch. Ent. Russ.* i. 69, pl. 4. *Frey. Beit.* pl. 76. *Dup. Lép. Fr.* vii. 63, pl. 139, f. 3.

Phalæna C-aureum, *Knoch, Beit.* i. pl. 1, f. 2.

Phalæna-Noctua concha, *Gmel. ed. Syst. Nat.* i. 5, 2555, 1100.

Noctua C-aureum, *Esp. Schmett.* iv. pl. 110, f. 5. *Fuessl. Neue, Mag.* i. 215.
Plusia concha, *Treit. Schmett.* v. 161, 11. *Guen. Noct.* ii. 332, 1145.
Autographa concha, *Hübn. Verz. Schmett.* 251, 2489.
Chrysoptera concha, *Meig. Syst. Besch.* iii. 261, 1, pl. 123, f. 3. *Boisd. Ind. Méth.* 157, 1262.

a—d. Europe. From M. Becker's collection.
e. Europe. From Mr Milne's collection.
f, g. Germany.

7. Plusia moneta.

Testacea, cristis ferrugineis; abdomen albidum; alæ anticæ auratæ, lineis transversis undulatis fasciaque angulata fuscis, fascia marginali pallide purpurascente, reniformis margine argenteo; posticæ lineis duabus discalibus margineque lato fuscis.

——— ———, *Engr. Pap. d'Eur.* 384, a, b.
Noctua moneta, *Fabr. Mant. Ins.* ii. 162, 183; *Ent. Syst.* iii. 79, 229. *Bork. Eur. Schmett.* iv. 780, 357. *Hübn. Eur. Schmett. Noct.* pl. 59, f. 288. *Frey. Beit.* ii. pl. 71. *Dup. Lép. Fr.* vii. 63, pl. 139, f. 2.
Phalæna-Noctua moneta, *Gmel. ed. Syst. Nat.* i. 5, 2556, 1105.
Noctua flavago (Argyritis, *texte*), *Esp. Schmett.* iv. 218, pl. 112, f. 1.
Noctua Napelli, *Vill. Ent. Linn.* 347, pl. 5, f. 21.
Polychrysia moneta, *Hübn. Verz Schmett.* 251, 2492.
Plusia moneta, *Treit. Schmett.* v. 158, 10. *Guen. Noct.* ii. 332, 1146.
Chrysoptera moneta, *Meig. Syst. Besch.* iii. 262, 3, pl. 123, f. 2. *Boisd. Ind. Méth.* 157, 1261.

a—d. Europe. From M. Becker's collection.
e. Europe.

8. Plusia deaurata.

Ferruginea; caput luteum; palpi apice nigricantes; thorax antice luteus, ferrugineo cinereoque fasciatus; alæ anticæ fascia lata antice reparda costamque totam occupante aurea fusco marginata, costa fasciis duabus submarginalibus ciliisque roseis; posticæ nigro-cinereæ, ciliis luteis.

Noctua deaurata, *Esp. Schmett.* iv. 203, pl. 110, f. 6. *Schr. Faun. Boic.* 1600. *Dup. Lép. Fr.* vii. 60, pl. 139, f. 1. *Frey. Beit.* iii. pl. 196.
Noctua chryson, *Bork. Eur. Schmett.* iv. 765, 348.
Noctua aurea, *Hübn. Eur. Schmett. Noct.* pl. 25, f. 289.
Panchrysia aurea, *Hübn. Verz. Schmett.* 252, 2493.
Plusia deaurata, *Treit. Schmett.* v. 157, 9. *Herr.-Schæff. Schmett. Eur.* ii. f. 207. *Guen. Noct.* ii. 332, 1147.
Chrysoptera deaurata, *Meig. Syst. Besch.* iii. 261, 2, pl. 123, f. 1. *Boisd. Ind. Méth.* 157, 1260.

a, *b*. Europe. From M. Becker's collection.

Group 3.

Alæ anticæ angulo apicali hamato, plagis auratis repandis.

Agrapha, Diachrysia et Chrysaspidia, *Hübn.*

Fore wings with the gilded patches occupying a great part of the surface; apical angle falcate.

9. Plusia ærea.

Lutea; thorax tegulis et fasciculis ferrugineo marginatis; abdomen cinereum; alæ anticæ fasciis indistinctis roseis, lineis obliquis et macularum marginibus ferrugineis, fascia exteriore duplicata aurea; posticæ ferrugineo-cinereæ, ciliis testaceis.

Noctua ærea, *Hübn. Eur. Schmett. Noct.* pl. 56, f. 271. *Dup. Hist. Nat. Lép. Fr.* vii. 17, pl. 133, f. 4.
Agrapha Ærea, *Hübn. Verz. Schmett.* 250, 2474.
Plusia Ærea, *Meig. Syst. Besch.* iii. 250, 4, pl. 121, f. 5. *Boisd. Ind. Meth.* 159, 1280. *Guen. Noct.* ii. 333, 1148.

Dalecarlia.

a—*c*. Trenton Falls, New York. Presented by E. Doubleday, Esq.
d. East Florida. Presented by E. Doubleday, Esq.
e. Nova Scotia. From Lieut. Redman's collection.
f. Orilla, West Canada. From Mr. Bush's collection.
g. ——— ? From Mr. Milne's collection.

10. Plusia orichalcea.

Ferruginea; caput et thorax anticus lutea; abdomen pallide flavescens; alæ anticæ disco cupreæ, plaga maxima exteriore aurata lineam ferrugineam includente; posticæ pallidæ, margine lato cinereo.

——— ———, *Engr. Pap. d'Eur.* 589, a.
Noctua orichalcea, *Fabr. Sp. Ins.* ii. 227, 92; *Mant. Ins.* ii. 161, 175; *Ent. Syst.* iii. 2, 77, 222. *Bork. Eur. Schmett.* iv. 764, 347. *Harr. Expl.* pl. 6. *Hübn. Eur. Schmett. Noct.* pl. 57, f. 278. *Haw. Lep. Brit.* 3. *Dup. Lép. Fr.* vii. 18, pl. 135, f. 1. *Frey. Beit.* ii. pl. 59.
Phalæna-Noctua orichalcea, *Gmel. ed. Syst. Nat.* i. 5, 2555, 1102.
Noctua chryson, *Esp. Schmett.* iv. pl. 141, f. 2.
Noctua ærifera, *Sowerby, Brit. Misc.* pl. 29.
Diachrysia orichalcea, *Hübn. Verz. Schmett.* 252, 2495.
Plusia orichalcea, *Treit. Schmett.* v. 173, 16. *Meig. Syst. Besch.* iii. 253, 9, pl. 121, f. 12. *Steph. Ill. Brit. Ent. Haust.* iii. 105. *Boisd. Ind. Méth.* 159, 274. *Guen. Noct.* ii. 334, 1149.

a, *b*. England. From Mr. Stephens' collection.
c, *d*. England.
e—*g*. Europe. From M. Becker's collection.

11. Plusia Zosima.

Cinerea; caput ferrugineum; thoraæ antice luteus, fasciculis apice fuscis; abdomen cristis fuscis; alæ anticæ auratæ, margine exteriore pallidiore, costa fuscescente, striga apud macula cuprea; macularum marginibus plagisque duabus posticis ferrugineis; posticæ cinereæ, fascia tenui obscuriore, ciliis albidis.

Noctua Zosima, *Hübn. Eur. Schmett. Noct.* f. 651.
Diachrysia Zosima, *Hübn. Verz. Schmett.* 252, 2497.
Plusia Zozimi, *Boisd. Ind. Méth.* 158, 1271. *Dup. Suppl.* iv. 232, pl. 70, f. 4. *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1837, 1; *Faun. Volg-Ural.* 320. *Herr.-Schæff. Schmett. Eur.* iii. f. 208. *Guen. Noct.* ii. 334, 1151.

Ural Region.

a, *b*. Europe. From M. Becker's collection.

12. Plusia chrysitis.

Lutea; thoracis tegula et fasciculi apice cinerea; abdomen cinereum; alæ anticæ ferrugineæ, lituris fuscis, fasciis duabus latis connexis auratis; posticæ nigricante-cinereæ, ciliis pallidis.

——— ———, *Rai, Ins.* 182, 45. *Albin, Ins.* pl. 71, f. a—d. *Merian, Ins. Eur.* pl. 39. *Roës. Ins.* i. 2, pl. 31. *Geoffr. Ins. Par.* ii. 149, 97. *Schæff. Icon.* pl. 101, f. 2, 3. *Deg. Ins.* ii. 428, 2. *Kuhn. Naturf.* vi. pl. 3, f. 5, 6. *Engr. Pap. d'Eur.* 588, a—d.

Phalæna-Noctua chrysitis, *Linn. Syst. Nat.* 843, 126; *Faun. Suec.* 169. *Scop. Ent. Carn.* 517. *Wien. Verz.* 92, 2. *Sepp. Ins.* i. 5, pl. 1, f. 7—12. *Gmel. ed. Syst. Nat.* i. 5, 2554, 126. *Brahm, Ins.* 94, 394.

Noctua chrysitis, *Fabr. Sp. Ins.* ii. 226, 91; *Mant. Ins.* ii. 161, 173; *Ent. Syst.* iii. 2, 76, 220. *Esp. Schmett.* iv. pl. 109, f. 1—5. *Bork. Eur. Schmett.* iv. 767, 349. *Hübn. Eur. Schmett. Noct.* pl. 56, f. 272; pl. 145, f. 662, 663. *Donov. Brit. Ins.* iii. pl. 137. *Haw. Lep. Brit.* 2. *Dup. Lép. Fr.* vii. 21, pl. 134, f. 3, 4. *Frey. Beit.* pl. 89.

Diachrysia chrysitis, *Hübn. Verz. Schmett.* 252, 2496.

Plusia chrysitis, *Treit. Schmett.* v. 169, 15. *Meig. Handb.* 181, 87; *Syst. Besch.* iii. 251, 5, pl. 121, f. 9. *Steph. Ill. Brit. Ent. Haust.* iii. 105. *Boisd. Ind. Méth.* 159, 1273. *Guen. Noct.* ii. 335, 1152.

a—q. England. From Mr. Stephens' collection.
r. England. From Mr. Stevens' collection.
s—v. England.
u—y. Europe. From M. Becker's collection.

13. Plusia aurifera.

Lutea; thoracis tegulæ et fasciculi apice cinerea; abdomen testaceum; alæ anticæ roseo-ferrugineæ, lituris obscurioribus, vitta latissima aurata angulata, macula antica cuprea; posticæ nigro-cinereæ, basi pallidæ.

Noctua aurifera, *Hübn. Eur. Schmett. Noct.* pl. 98, f. 463. *Dup. Lép. Fr.* vii. 24, pl. 134.

Diachrysia aurifera, *Hübn. Verz. Schmett.* 252, 2494.

Plusia aurifera, *Treit. Schmett.* iii. 168, 14. *Meig. Syst. Besch.* iii. 251, 6, pl. 121, f. 10. *Boisd. Ind. Méth.* 158, 1272; *Faun. Ent. Mad. Bomb. et Maur. Lép.* 95, 1. *Guen. Noct.* ii. 335, 1153.

South Spain. St. Helena. Senegal. Madagascar. Bourbon. Mauritius. Java.

a. Teneriffe.
b. Hindostan. From Mr. Milne's collection.
c—f. Punjaub. Presented by Gen. Hearsay.
g. Silhet. From Mr. Argent's collection.
h. Ceylon. Presented by R. Templeton, Esq.

14. Plusia bractea.

Sordide rosea ; caput et thorax anticus rufescentia ; abdomen testaceum, cristis fuscis ; alæ anticæ fusco variæ, plaga postica lutea, macula discali magna oblonga argentea ; posticæ sordide testaceæ, margine lato nigro-cinereo.

——— ———, *Engr. Pap. d'Eur.* 590, a—d.
Noctua bractea, *Wien. Verz.* 314, 7. *Fabr. Mant. Ins.* ii. 161, 177; *Ent. Syst.* iii. 2, 78, 224. *Esp. Schmett.* iv. pl. 110, f. 1, 2. *Bork. Eur. Schmett.* iv. 775, 353. *Hübn. Eur. Schmett. Noct.* pl. 57, f. 279. *Haw. Lep. Brit.* 4. *Frey. Neue Beitr.* pl. 47, f. 3. *Dup. Lép. Fr.* vii. 26, pl. 134, f. 1.
Phalæna-Noctua bractea, *Gmel. ed. Syst. Nat.* i. 5, 2555, 1104.
Chrysaspidia bractea, *Hübn. Verz. Schmett.* 252, 2498.
Plusia bractea, *Treit. Schmett.* v. 176, 17. *Meig. Syst. Besch.* iii. 253, 10, pl. 121, f. 13. *Steph. Ill. Brit. Ent. Haust.* iii. 106. *Eversm. Faun. Volg-Ural.* 321. *Boisd. Ind. Méth.* 159, 1275. *Guen. Noct.* ii. 336, 1155.
Noctua securis, *Vill. Ent. Linn.* pl. 5, f. 10.

a—c. England. From Mr. Stephens' collection.
d—f. England.
g. Europe. From M. Becker's collection.
h. Europe. From Mr. Milne's collection.
i. Europe.

15. Plusia æmula.

Cinerea ; caput et thorax anticus lutea ; abdomen cristis fuscis ; alæ anticæ subcervinæ, basi maculaque subapicali glaucescentibus, plaga postica maculam oblongam argenteam includente maculaque subapicali ferrugineis ; posticæ pallide cinereæ, margine lato obscuriore.

Noctua æmula, *Wien. Verz.* 314, 3, 4. *Hübn. Eur. Schmett. Noct.* iii. pl. 57, f. 280. *Dup. Lép. Fr.* vii. 28, pl. 135, f. 2.
Noctua lamina, *Fabr. Mant. Ins.* ii. 161, 176; *Ent. Syst.* iii. 277, 223. *Bork. Eur. Schmett.* iv. 776, 354.
Phalæna-Noctua lamina, *Gmel. ed. Syst. Nat.* i. 5, 2555, 1103.
Noctua chrysomelas, *Bork. Eur. Schmett.* iv. 778, 355.

Chrysaspidia æmula, *Hübn. Verz. Schmett.* 252, 2499.
Plusia æmula, *Treit. Schmett.* v. 177, 18. *Meig. Syst. Besch.* iii. 254, 11, pl. 122, f. 1. *Boisd. Ind. Méth.* 159, 1276. *Guen. Noct.* ii. 336, 1156.

Austria. Styria.

16. Plusia Festucæ.

Rufescens; thorax postice rubiginosus; abdomen pallide rufescens; alæ anticæ fusco-auratæ, maculis tribus oblongis argenteis; posticæ cinereæ, ciliis rufescentibus.

———, *Albin, Ins.* pl. 84, f. G, H. *Petiv. Gazoph.* pl. 7, f. 7. *Wilk. Pap.* 8, pl. 1, a, 17. *Kléem, Ins.* i. pl. 30, f. A. *Deg. Ins.* ii. 1, 429, 3. *Act. Stockh.* 1748, pl. 6, f. 3, 4. *Engr. Pap. d'Eur.* 585, a—f.
Phalæna-Noctua Festucæ, *Linn. Syst. Nat.* 131; *Faun. Suec.* 1170. *Gmel. ed. Syst. Nat.* i. 5, 2557, 131.
Noctua Festucæ, *Fabr. Sp. Ins.* ii. 227, 93; *Mant. Ins.* ii. 161, 178; *Ent. Syst.* iii. 2, 78, 225. *Wien. Verz.* 92, 1. *Esp. Schmett.* iv. pl. 113, f. 6. *Bork. Eur. Schmett.* iv. 772, 351. *Donov. Brit. Ins.* ii. pl. 46. *Hübn. Eur. Schmett, Noct.* pl. 57, f. 277. *Haw. Lep. Brit.* 1. *Dup. Lép. Fr.* vii. 30, pl. 135. f. 4. *Frey. Beitr.* pl. 100.
Chrysaspidia Festucæ, *Hübn. Verz. Schmett.* 252, 2500.
Plusia Festucæ, *Treit. Schmett.* v. 165, 13. *Meig. Handb.* 180, 86; *Syst. Besch.* iii. 252, 7, pl. 121, f. 11. *Steph. Ill. Brit. Ent. Haust.* iii. 107. *Boisd. Ind. Méth.* 158, 1270. *Guen. Noct.* ii. 337, 1157.

a—g. England. From Mr. Stephens' collection.
h—j. England.
k—p. Europe. From M. Becker's collection.
q. Europe.
r. Orilla, West Canada. From Mr. Bush's collection.
s, y. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
z—dd. North America. Presented by E. Doubleday, Esq.

Group 4.

Alæ anticæ rufescentes, maculis rotundatis.

Autographa, p., *Hübn.*

Fore wings with a reddish ground-colour; their spots nearly round.

17. Plusia Mya.

Cervino-testacea ; abdomen pallidum ; alæ anticæ cervinæ, testaceo marginatæ, apud costam roseo tinctæ, linea discali argentea ; posticæ cinereæ, ciliis pallide testaceis.

Noctua V-argenteum, *Esp. Schmett.* iv. pl. 188, f. 3.
Noctua Mya, *Hübn. Eur. Schmett. Noct.* pl. 56, f. 275. *Frey. Beitr.* pl. 107, f. 1. *Dup. Lép. Fr.* vii. 33, pl. 135, f. 3.
Plusia Mya, *Treit. Suppl.* 139. *Meig. Syst. Besch.* iii. 254, 12, pl. 122, f. 4. *Boisd. Ind. Méth.* 158, 1266. *Herr.-Schæff. Schmett. Eur.* f. 205. *Guen. Noct.* ii. 238, 1159.
Autographa Mya, *Hübn. Verz. Schmett.* 251, 2488.

a—*c*. Europe. From M. Becker's collection.
d. Orilla, West Canada. From Mr. Bush's collection.

18. Plusia Iota.

Cervina ; thoracis tegulæ et fasciculi purpurascente marginata ; abdomen sordide testaceum, cristis cervinis ; alæ anticæ subauratæ, purpurascente variæ, litura arcuata guttaque oblonga argenteis, reniformi ex parte nigro marginata ; posticæ pallidæ, fascia margineque lato nigro-cinereis.

——— ———, *Engr. Pap. d'Eur.* 592.
Phalæna-Noctua Iota, *Linn. Syst. Nat.* 130. *Gmel. ed. Syst. Nat.* i. 5, 2557, 130.
Noctua Iota. *Fabr. Sp. Ins.* ii. 228, 98; *Mant. Ins.* ii. 163, 189 ; *Ent. Syst.* iii. 2, 81, 237. *Esp. Schmett.* iv. pl. 103, f. 3, 4. *Bork. Schmett.* iv. 790, 362. *Hübn. Eur. Schmett. Noct.* pl. 58, f. 282. *Dup. Lép. Fr.* vii. 38, pl. 136, f. 2, 3. *Frey. Beitr.* pl. 94. *Donov. Brit. Ins.* viii. pl. 265. *Haw. Lep. Brit.* 5.
Autographa Iota, *Hübn. Verz. Schmett.* 251, 2481.
Plusia Iota, *Treit. Schmett.* v. 181, 20. *Meig. Handb.* 192, 90; *Syst. Besch.* iii. 256, 16, pl. 122, f. 7. *Boisd. Ind. Méth.* 159, 1279. *Guen. Noct.* ii. 338, 1160.
Noctua chrysitis, *Naturf.* 10, pl. 11, f. 5, 6.
Noctua inscripta, *Esp. Schmett.* pl. 113, f. 5.
Noctua ancora, *Frey. Beit.* pl. 47, f. 1.
Plusia percontationis, *Steph. Ill. Brit. Ent. Haust.* iii. 101.

a—*z*. England. From Mr. Stephens' collection.
aa—*ee*. England.
ff, *gg*. Europe. From M. Becker's collection.
hh. Europe.

Var. *Ferruginea; thorax antice lutescens fascia nigra, tegulis fasciculisque roseo marginatis; abdomen cinereum, cristis ferrugineis; alæ anticæ fasciis variis roseis et nigro-fuscis, lituris basalibus, lineis duabus et fascia repanda exterioribus, macularum marginibus ex parte et gutta propinqua aureis, reniformis margine exteriore nigro; posticæ nigro-cinereæ, fascia ciliisque testaceis.*

ii. Orilla, West Canada. From Mr. Bush's collection.
jj. ——— ? From Mr. Milne's collection.

19. Plusia macrogramma.

Rufescens; abdomen subtestaceum; alæ anticæ pallide rufescentes, lineis variis transversis nigris, plaga postica maculisque submarginalibus roseis, reniformi albo marginata, litura discali oblonga furcata lunulamque subincludente argentea, lineola ciliari media nigra; posticæ pallidæ, fascia margineque lato nigro-cinereis.

Plusia macrogramma, *Eversm. Bull. Soc. Imp. Nat. Mosc.* 1842, 3. *Guen. Noct.* ii. 340, 1162.
Plusia lota, *var.*, *Eversm. Faun. Volg-Ural.* 321. *Herr.-Schæff. Schmett. Eur.* ii. pl. 53, f. 266.
Ural Region.

Group 5.

Alæ anticæ cinerascentes, litura discali metallica bene determinata.

Autographa, p., *Hübn.*

Fore wings with the ground-colour more or less gray; a distinct metallic inscription on the disk.

20. Plusia circumscripta.

Ferrugineo-fusca; thorax fascia antica rufa; abdomen cinerascens; alæ anticæ cupreo aureoque variæ, litura basali maculis discalibus lineisque duabus exterioribus transversis argenteis; posticæ pallide cinereæ, margine lato fusco; ciliis pallidis.

Noctua circumscripta, *Dahl. Frey. Beitr.* i. 42, pl. 23, f. 2. *Geyer, Eur. Schmett.* f. 855.

Plusia circumscripta, *Meig. Syst. Besch.* iii. 257, 18, pl. 122, f. 2. *Treit. Suppl.* 137. *Boisd. Ind. Méth.* 159, 1277. *Dup. Supp.* iii. 489, pl. 42, f. 2. *Guen. Noct.* ii. 343, 1166.

Sicily.

a. Europe. From M. Becker's collection.

21. Plusia chalcites.

Rubiginosa; caput et thorax anticus cervina; abdomen canescens, vitta dorsali fuscescente, lateribus subauratis; alæ anticæ plagis aureis nigro submarginatis maculisque duabus discalibus connexis argenteis; posticæ cinereo-fuscæ, basi ciliisque pallidioribus.

——— ———, *Engr. Pap. d'Eur.* pl. 334, f. 586, a, b.

Noctua chalcites, *Esp. Schmett.* iv. 447, pl. 141, f. 3. *Bork. Eur. Schmett.* iv. 352.

Noctua chalsytis, *Hübn. Eur. Schmett. Noct.* pl. 57, f. 276. *Frey. Neue Beitr.* pl. 47, f. 2. *Dup. Lép. Fr.* vii. 35, pl. 136, f. 1.

Plusia chalsytis, *Treit. Schmett.* v. 163, 12. *Meig. Syst. Besch.* iii. 252, 8, pl. 122, f. 2. *Boisd. Ind. Méth.* 158, 1267; *Faune Ent. Mad. Bourb. et Maur. Lép.* 95, 2.

Plusia chalcites, *Guen. Noct.* ii. 343, 1167.

Noctua Quœstionis, *Fabr. Ent. Syst.* iii. 2, 235. *Enc. Méth.* 315.

Noctua Bengalensis, *Rossi, Mant.* ii. pl. 3.

Autographa Questionis, *Hübn. Verz. Schmett.* 251, 2482.

Phalæna-Noctua Oo? *Cram. Pap. Exot.* iv. 45, pl. 311, f. E, F.

South Europe. Coast of Africa. Madagascar. Bourbon. Mauritius. Bengal.

a—d. Europe. From M. Becker's collection.
e. Europe. From Dr. Frivaldsky's collection.
f, g. Tuscany. Presented by Signor Passerini.
h. Madeira. Presented by Mrs. Hope.
i, j. Teneriffe. From Mr. Milne's collection.

22. Plusia interscalaris.

Ferruginea; abdomen cinereum, cristis ferrugineis; alæ anticæ maculis, lineis transversis et reniformis margine viridescentibus, fasciis variis nigris, litura discali furcata argentea; posticæ subtestaceæ, fascia margineque lato cinereis.

Plusia interscalaris, *Herr.-Schæff. Schmett. Eur.* ii. pl. 99, f. 510. *Guen. Noct.* ii. 346, 1172.

South Russia.

23. Plusia gutta.

Rufo-cinerea; abdomen cinereum; alæ anticæ aureo maculatæ, linea arcuata flexa, gutta oblonga, fascia exteriore lineaque marginali argenteis; posticæ cinereæ, margine lato fusco.

——— ———, *Engr. Pap. d'Eur.* 591, a, b.

Noctua circumflexa, *Wien. Verz.* 93, 4? *Fabr. Mant. Ins.* ii. 162, 179; *Ent. Syst.* iii. 2, 78, 226?? *Esp. Schmett.* iv. pl. 111, f. 5, 6. *Bork. Eur. Schmett.* iv. 794, 364. *Hübn. Eur. Schmett. Noct.* pl. 58, f. 285. *Dup. Lép. Fr.* vii. 51, pl. 136, f. 4.

Phalæna-Noctua circumscripta, *Gmel. ed. Syst. Nat.* i. 5, 346, 1173.

Plusia circumflexa, *Treit. Schmett.* v. 179, 19. *Meig. Handb.* 181, 89; *Syst. Besch.* iii. 257, 20, pl. 122, f. 11. *Boisd. Ind. Méth.* 159, 1278.

Autographa Questionis, *Hübn. Verz. Schmett.* 251, 2482.

Plusia gutta, *Guen. Noct.* ii. 346, 1173.

South France. Austria. Styria. Hungary.

24. Plusia Gamma.

Cinereo-ferruginea; abdomen cinereum; alæ anticæ aureo-cinereæ ferrugineo nigroque variæ, litura discali γ; posticæ pallide cinereæ, margine lato nigricante.

——— ———, *Göed. Ins.* ii. pl. 21. *List, ed. Göed.* f. 14. *Rai, Ins.* 163, 16. *Petiv. Gazoph.* pl. 64, f. 6. *Albin, Ins.* pl. 79, f. G, H. *Réaum. Ins.* ii. pl. 26, f. 5. *Blank. Ins.* pl. 8, f. N, P. *Frisch, Ins.* v. pl. 15. *Merian, Ins. Eur.* 82, f. 78. *Roës. Ins.* i. 3, pl. 5. *Wilk. Pap.* 34, pl. 2, a, 1. *Schæff. Icon.* pl. 84, f. 5. *Sepp, Ins.* i. 5, 1, pl. 1, f. 5, 6. *Geoff. Ins.* ii. 156. *Engr. Pap. d'Eur.* 594, f, g.

Phalæna-Noctua Gamma, *Linn. Syst. Nat.* 127; *Faun. Suec.* 1171. *Scop. Ent. Carn.* 523. *Gmel. ed. Syst. Nat.* i. 5, 2555, 127.

Noctua Gamma, *Fabr. Sp. Ins.* ii. 227, 94; *Mant. Ins.* ii. 162, 181; *Ent. Syst.* iii. 2, 79, 228. *Wien. Verz.* 93, 5. *Esp. Schmett.* iv. pl. 111, f. 1—4. *Bork. Eur. Schmett.* iv. 782, 358. *Hübn. Eur. Schmett. Noct.* pl. 58, f. 283. *Rossi, Faun. Etr.* 1126. *Bruhm, Ins.* 109. *Donov. Brit. Ins.* pl. 265. *Haw. Lep. Brit.* 6. *Frey. Beitr.* pl. 106. *Dup. Lép. Fr.* vii. 41, pl. 136, f. 4.

Autographa Gamma, *Hübn. Verz. Schmett.* 251, 2484.
Plusia Gamma, *Treit. Schmett.* v. 185, 21. *Meig. Handb.* 181, 88; *Syst. Besch.* iii. 255, 15, pl. 122, f. 6. *Steph. Ill. Brit. Ent. Haust.* iii. 103. *Boisd. Ind. Méth.* 159, 1282. *Guen. Noct.* ii. 348, 1177.

a, *b*. England. Presented by H. Doubleday, Esq.
c—*j*. England. From Mr. Stephens' collection.
k—*q*. England.
r. Switzerland. From Dr. Leach's collection.
s—*v*. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
u South Africa. From Mr. Argent's collection.
w. ———?

25. Plusia Ni.

Cinereo-fusca; abdomen cinereum; alæ anticæ cinereæ, fusco fasciatæ et signatæ, lineola guttaque discalibus contiguis argenteis fuscescente notatis; posticæ margine lato nigricante, ciliis albis fusco strigatis.

——— ———, *Engr. Pap. d'Eur.* 595, a—c.
Noctua Ni, *Hübn. Eur. Schmett. Noct.* pl. 58, f. 284. *Frey. Neue Beitr.* i. pl. 23, f. 1. *Dup. Lép. Fr.* vii. 44, pl. 137, f. 1.
Autographa Ni, *Hübn. Verz. Schmett.* 251, 2485.
Plusia Ni, *Treit. Schmett.* v. 189, 22. *Meig. Syst. Besch.* iii. 256, 17, pl. 122, f. 8. *Boisd. Ind. Méth.* 159, 1283. *Guen. Noct.* ii. 349, 1178.

a, *b*. Europe. From M. Becker's collection.
c. New York. Presented by E. Doubleday, Esq.
d. Gibraltar. From Mr. Milne's collection.
e, ———? From Mr. Milne's collection.

26. Plusia accentifera.

Statura P. consonæ; *alæ anticæ roseæ, ferrugineo variæ, micantes, aureo subvariegatæ, signo aureo notatis, lineola accentuloque aureis externis; posticæ fuscæ.*

Plusia accentifera, *Lefebvre, Ann. Soc. Linn.* vi. 96, pl. 5, f. 2. *Boisd. Ind. Méth.* 158, 1269. *Treit. Suppl.* 134. *Guen. Noct.* ii. 351, 1182.
Noctua accentifera, *Dup. Lép. Fr.* vii. 49, pl. 137, f. 3.
Noctua L-aureum, *Frey. Neue Beitr.* i. pl. 23, f. 3.

Noctua hieroglyphica, *Frey.* 176.
Noctua L-album, *Geyer, Eur. Schmett.* f. 856.
Plusia L-aureum, *Meig. Syst. Besch.* iii. 257, 19, pl. 122, f. 10.

Portugal. Spain. Corsica. Sicily.

a. Europe. From Dr. Frivaldsky's collection.

27. Plusia Daubei.

Fusca ; thoracis tegulæ et fasciculi albido marginata ; abdomen pallide cinereum, cristis fuscis ; alæ anticæ aurato-fuscæ, ciliis cinereis, lituris basalibus, fasciola discali obliqua fasciaque exteriore cinereis argenteo marginatis ; posticæ cinereo-fuscæ, ciliis albidis.

Plusia Daubei, *Boisd. Ind. Méth.* 159, 1281. *Dup. Suppl.* iii. 486, pl. 42, f. 1. *Herr.-Schæff. Schmett. Eur.* ii. pl. 41, f. 206. *Guen. Noct.* ii. 351, 1184.

South France. Spain. Senegal. Hindostan.

28. Plusia circumflexa.

Ferruginea ; abdomen cinerascens ; alæ anticæ cupreo-ferrugineæ, macula postica rufa argenteo submarginata, vitta discali flexa antice incisa basi attenuata ; posticæ cinereæ, margine nigricante, ciliis pallidis nigricante interlineatis.

Phalæna-Noctua circumflexa, *Linn. Syst. Nat.* 128.
Noctua circumflexa, *Haw. Lep. Brit.* 8.
Noctua Daubei, *Frey. Beitr.* iii. pl. 256, f. 2.
Plusia circumflexa, *Guen. Noct.* ii. 352, 1185.

Turkey. South Africa.

a—e. Europe. From M. Becker's collection.
f, g. Ukraine. Presented by Dr. Dowler.
h, i. ——— ? From Mr. Milne's collection.

Group 6.

Monticolæ. Statura parva. Corpus pilosissimum. Alæ anticæ subintegræ ; posticæ sæpissime flavæ, nigro marginatæ.

Autographa, p., et Syngrapha, *Hübn.*

Size small. Body very hairy. Fore wings almost entire. Hind wings most often yellow, with black borders.

29. Plusia interrogationis.

Cinerea; thorax fasciis nigris; alæ anticæ nigro canoque variæ, linea submarginali nigra distincta flexuosa, annulo incompleto guttaque discalibus approximatis argenteis; posticæ pallidæ, margine lato nigricante, ciliis nigro strigatis.

——— ———, *Engr. Pap. d'Eur.* 593, a—d.

Phalæna-Noctua interrogationis, *Linn. Syst. Nat.* 129. *Faun. Suec.* 1172. *Clerck, Icon.* pl. 6, f. 7. *Gmel. ed. Syst. Nat.* i. 5, 2556, 129.

Noctua interrogationis, *Fabr. Sp. Ins.* ii. 228, 95. *Mant. Ins.* ii. 163, 186; *Ent. Syst.* iii. 2, 80, 233? *Wien. Verz.* 93, 3. *Esp. Schmett.* iv. pl. 113, f. 1. *Hübn. Eur. Schmett. Noct.* pl. 58, f. 281. *Frey. Beit.* pl. 130, f. 1. *Dup. Lép. Fr.* vii. 47, pl. 137, f. 2.

Noctua æmula, *Fabr. Mant. Ins.* ii. 162, 183; *Ent. Syst.* iii. 2, 80, 230. *Bork. Eur. Schmett.* iv. 789, 361.

Phalæna-Noctua æmula, *Gmel. ed. Syst. Nat.* i. 5, 2556, 1106.

Noctua aurosignata, *Donov. Brit. Ins.* pl. 453, f. 1.

Autographa interrogationis, *Hübn. Verz. Schmett.* 251, 2487.

Plusia interrogationis, *Treit. Schmett.* v. 190, 23. *Meig. Syst. Besch.* iii. 255, 14, pl. 122, f. 5. *Steph. Ill. Brit. Ent. Haust.* iii. 102. *Boisd. Ind. Méth.* 159, 1284. *Guen. Noct.* ii 353, 1188.

a—j. England. From Mr. Stephens' collection.
k—m. England.
n. Scotland. Presented by Edwin Sheppard, Esq.
o. Scotland. From Mr. Stevens' collection.
p, q. Europe. From M. Becker's collection.
r. Lapland.

30. Plusia U-aureum.

P. interrogationis *simillima; alæ anticæ lineis medianis parallelis undulatis vix distinctis, submarginali bicolori angulosa bene determinato, margine exteriore spatioque postico cinereis nigro-conspersis, orbiculari subrhomboidea cinereo marginata, reniformi punctis nigris intercisa; posticæ fuscescente-cinereæ, basi margineque cinereis, ciliis albis, nigro intercisis.*

Plusia U-aureum, *Boisd. MSS.; Guen. Noct.* ii. 354, 1189.

Dalecarlia.

a, b. Europe. From M. Becker's collection.

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31. Plusia Ain.

Nigro-cinerea; abdomen cinereum; alæ anticæ glaucescente variæ, lineis duabus undulatis albidis, linea submarginali angulosa, reniformi ex parte albo marginata, litura discali furcata argentea; posticæ luteæ margine lato nigro, ciliis canis nigro strigatis.

——— ———, *Engr. Pap. d'Eur.* 596, a—d.

Noctua Ain, *Schr. Berl. Mag.* vi. 337, pl. 7. *Esp. Schmett.* iv. pl. 179, f. 4. *Bork. Eur. Schmett.* iv. 786, 359. *Hübn. Eur. Schmett. Noct.* pl. 151, f. 290. *Dup. Lép. Fr.* vii. 53, pl. 128, f. 2.

Syngrapha Ain, *Hübn. Verz. Schmett.* 250, 2476.

Plusia Ain, *Treit. Schmett.* v. 193, 24. *Meig. Syst. Besch.* iii. 258, 22, pl. 122, f. 14. *Boisd. Ind. Méth.* 160, 1288. *Guen. Noct.* ii. 354, 1190.

a—d. Europe. From M. Becker's collection.

32. Plusia dives.

Rufescens; alæ anticæ nigro variæ, guttis costalibus maculis variis discalibus lineaque marginali argenteis; posticæ luteæ, margine nigro.

Plusia dives, *Herr.-Schæff. Eur. Schmett.* ii. pl. 99, f. 511. *Guen. Noct.* ii. 355, 1191.

South Russia.

33. Plusia diasema.

Statura P. Ain, P. microgrammæ *affinis; alæ anticæ cinereæ, nitidæ, fascia lata transversa nigricante, characteribus argenteis,* P. interrogationis *inscripta; posticæ luteæ, fascia marginali lata arcuque discali nigris.*

Plusia diasema, *Dalman, MSS.; Boisd. Ind. Méth.* 160, 1286. *Guen. Noct.* ii. 355, 1192.

Lapland.

34. PLUSIA PARILIS.

Nigro-cinerea; alæ anticæ lineis transversis non bene determinatis, plaga postica quadrata nigro-fusca lituram argenteam Y *formen includente; posticæ cinereæ, fascia albida.*

Noctua parilis, *Hübn. Eur. Schmett.* iii. *Noct.* f. 422.
Autographa parilis, *Hübn. Verz. Schmett.* 251, 2479.
Plusia parilis, *Boisd. Ind. Méth.* 159, 1285. *Dup. Suppl.* iv. 527, pl. 90, f. 6. *Guen. Noct.* ii. 355, 1193.

a. Lapland. Presented by J. R. Crowe, Esq.

35. PLUSIA MICROGRAMMA.

Nigro-cinerea; thorax fasciis pallidis; alæ anticæ lineis transversis cinereis, macula discali diffusa nigra lituram subfusiformem albam includente, orbiculari et reniformi nigro pallidoque marginatis, triente apicali cinerea, linea submarginali angulosa nigra; posticæ luteæ, nigro marginatæ.

Noctua microgramma, *Hübn. Eur. Schmett. Noct.* pl. 151, f. 698. *Dup. Lép. Fr.* vii. 55, pl. 138, f. 2.
Plusia microgramma, *Treit. Schmett.* v. 198, 27. *Meig. Syst. Besch.* iii. 259, 23, pl. 122, f. 13. *Boisd. Ind. Méth.* 160, 1287. *Guen. Noct.* ii. 356, 1194.

North Germany.

a, *b*. Europe. From M. Becker's collection.

36. PLUSIA DEVERGENS.

Nigricans; abdomen nigro-cinereum; alæ anticæ macularum marginibus fasciisque duabus fusco-cinereis, macula discali oblonga subfurcata alba, ciliis pallidis nigro notatis; posticæ luteæ, margine nigricante.

Noctua devergens, *Hübn. Eur. Schmett. Noct.* f. 500, 501.
Syngrapha devergens, *Hübn. Verz. Schmett.* 250, 2478.
Plusia devergens, *Treit. Schmett.* v. 197. *Boisd. Ind. Méth.* 160, 1289. *Guen. Noct.* ii. 356, 1195.

Swiss Alps.

a. Europe. From M. Becker's collection.

37. Plusia divergens.

Ferruginea; antennæ crassæ, maris *serratæ; thoracis tegulæ et fasciculi cano marginata; abdomen cinereum; alæ anticæ fascia lata media lineaque submarginali obscurioribus, margine exteriore canescente, reniformi ex parte aureo marginata, lineola obliqua discali argentea; posticæ luteæ, margine nigro, ciliis pallidis.*

———— ————, *Engr Pap. d'Eur.* 597, a, b.

Noctua divergens, *Fabr. Mant. Ins.* ii. 162, 184; *Ent. Syst.* iii. 2, 80, 281. *Bork. Eur. Schmett.* iv. 787, 360. *Hübn. Eur. Schmett. Noct.* pl. 59, f. 286. *Dup. Lép. Fr.* vii. 56, pl. 138, f. 3.

Phalæna-Noctua divergens, *Gmel. ed. Syst. Nat.* i. 5, 2556, 1107.

Noctua Hohenwarthii, *Berl. Mag.* vi. pl. 7. *Esp. Schmett.* iv. pl. 179, f. 3.

Syngrapha divergens, *Hübn. Verz. Schmett.* 250, 2477.

Plusia divergens, *Treit. Schmett.* v. 191, 25. *Meig. Syst. Besch.* iii. 259, 24, pl. 122, f. 12. *Boisd. Ind. Méth.* 160, 1290. *Guen. Noct.* ii. 355, 1196.

a—d. Europe. From M. Becker's collection.
e, f. Lapland. Presented by J. R. Crowe, Esq.

North America.

Group 1.

Like the third European group.

38. Plusia Balluca.

Mas. *Lutescens; alæ anticæ virides, antice et extus luteo marginatæ, fascia angusta obliqua postmedia argentea; posticæ pallide cervinæ, margine postico late cinereo interlineato.*

Dyachrysia Balluca (Noctua semigeometra, Plusia inscripta), *Geyer, Zeitr. Samml. Exot. Schmett.* 22, 341, f. 681, 682.

Plusia Balluca, *Guen. Noct.* ii. 334, 1150.

a, b. Trenton Falls, New York. Presented by E. Doubleday, Esq.
c. Nova Scotia. From Lieut. Redman's collection.
d, e. Orilla, West Canada. From Mr. Bush's collection.
f, g. North America. From Mr. Milne's collection.

Group 2.

Like the fourth European group.

39. PLUSIA THYATYROIDES.

Cinerea ; abdomen pallidum ; alæ anticæ plagis tribus (una basali, 2a costali exteriore, 3a postica) albido-carneis, vitta obliqua discali, guttis duabus anticis strigaque arcuata subapicali nigris, U punctoque oblongo discalibus argenteis ; posticæ margine lato obscuriore.

Plusia Thyatyroides, *Guen. Noct.* ii. 337, 1158.

a, *b*. New York. Presented by E. Doubleday, Esq.
c, *d*. Orilla, West Canada. From Mr. Bush's collection.

40. PLUSIA U-BREVIS.

Cervina aut rufescens ; abdomen cinereum ; alæ anticæ maculis costalibus fasciisque diffusis nigricantibus, fasciis interioribus et reniformi ex parte argenteo marginatis, maculis duabus discalibus argenteis, una subcyathiformi et lunula antica argentea connexis, altera magna subovata ; posticæ subcupreæ.

Plusia bimaculata? *Steph. Ill. Brit. Ent. Haust.* iii. 101.
Plusia U-brevis, *Guen. Noct.* ii. 341, 1163.
Phalæna-Noctua Protea? *Cram. Pap. Exot.* iv. 244, pl. 400, f. M.
Surinam.

a. United States. Presented by E. Doubleday, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. ——— ?

Group 3.

Like the fifth European group.

41. PLUSIA BILOBA.

Ferruginea ; abdomen cinerascens ; alæ anticæ cupreo-ferrugineæ, lineis duabus basalibus transversis undulatis subargenteis, plaga discali antice incisa lineolaque anteriore arcuata, argenteis ; posticæ subcupreæ.

Plusia biloba, *Steph. Ill. Brit. Ent. Haust.* iii. 104. *Guen. Noct.* iii. 341, 1164.

a—e. East Florida. Presented by E. Doubleday, Esq.
d, e. Venezuela. From Mr. Dyson's collection.

42. Plusia verruca.

Purpurea; caput et thorax anticus lutea; abdomen pallide cinereum; alæ anticæ auratæ, apud costam ex parte purpureo-fuscæ, macula guttaque discalibus argenteis; posticæ cupreo-cinereæ, basi pallidæ.

Noctua verruca, *Fabr. Ent. Syst.* iii. 2, 238. *Enc. Méth.* 315.
Phalæna-Noctua Oo? *Cram. Pap. Exot.* iv. 45, pl. 311, f. E, F.
Noctua Omega, *Hübn. Zutr.* f. 373, 374.
Autographa Omicron, *Hübn. Verz. Schmett.* 251, 2483.
Plusia Quœstionis, *Treit. Schmett. Suppl.* 132. *Boisd. Ind. Méth.* 158, 1668.
Plusia verruca, *Guen. Noct.* ii. 342, 2165.

a. United States. Presented by E. Doubleday, Esq.
b. United States. Presented by J. G. Children, Esq.
c. Venezuela. From Mr. Dyson's collection.
d. Bogotà.
e. ——— ?

43. Plusia rogationis.

Ferruginea; thorax fasciis fuscis cinereo marginatis; abdomen cinereum; alæ anticæ purpurascente suffusæ, aureo variæ, maculis duabus discalibus argenteis, una pyriformi, altera longi-ovata; posticæ cupreo-cinereæ, margine obscuriore, ciliis pallidis.

Plusia rogationis, *Guen. Noct.* ii. 354, 1169.

North America. Colombia. Australia.

44. Plusia precationis.

Obscure fusca; abdomen cinereum; alæ anticæ lineis transversis undulatis basalibus et exterioribus maculisque duabus oblongis (una antice aperta) argenteis, plaga discali fasciaque exteriore nigris, plaga marginali subcuprea; posticæ cupreo-fuscæ, ciliis pallidis.

Plusia precationis, *Guen. Noct.* ii. 344, 1170.

a—e. Trenton Falls, New York. Presented by E. Doubleday, Esq.
f. Philadelphia. Presented by E. Doubleday, Esq.
g. Orilla, West Canada. From Mr. Bush's collection.
h. Massachusetts. From Prof. Sheppard's collection.

Var. Female. Reddish ferruginous. Third joint of the palpi full half the length of the second. Thorax orange in front; lappets and tufts with cinereous borders. Abdomen somewhat fawn-colour. Fore wings rather acute, mostly gilded, with a purplish tinge; bands and part of the reniform spot somewhat orange, with slight silvery borders; two or three blackish dots at the base; orbicular spot almost obsolete; submarginal line indistinct; discal mark yellowish silvery, brilliant, almost divided, the fore part irregularly V-shaped, with a little silvery semicircle in front, the hind part elongate-oval; ciliæ rather broad, with dark marks, hardly denticulated. Hind wings æneous-cinereous; ciliæ pale, with darker marks.

i. ——— ? From Mr. Milne's collection.

45. Plusia simplex.

Ferrugineo-fuscescens; abdomen testaceum; alæ anticæ cinereo-fuscæ, plaga discali nigro-fusca ferrugineo varia, linea discali arcuata argentea apice clavata et hamata, necnon gutta discali antica alteraque postica argenteis; posticæ testaceæ, fascia margineque nigro-fuscis, ciliis canis.

Plusia simplex, *Guen. Noct.* ii. 346, 1174.

a—d. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
e—i. Trenton Falls, New York. Presented by E. Doubleday, Esq.
j. Orilla, West Canada. From Mr. Bush's collection.

46. Plusia Ou.

Cinerea: abdomen pallidum; alæ anticæ fusco-cinereæ, fasciis variis undulatis obliquis nigricantibus, U guttaque discalibus argenteis; posticæ cinereo-cupreæ, margine obscuriore, ciliis pallidis.

Plusia Ou, *Guen. Noct.* ii. 96, 348, 1176.

a, b. East Florida. Presented by E. Doubleday, Esq.
c—e. Venezuela. From Mr. Dyson's collection.

47. PLUSIA OXYGRAMMA.

Cinerea; thorax fusco fasciatus; abdomen pallide cinereum; alæ anticæ fusco nebulosæ, striga discali obliqua interlineata alba; posticæ basi pallidiores.

Autographa Oxygramma (Noctua semigeometra, Plusia inscripta), *Geyer, Zutr. Samml. Exot. Schmett.* 37, 385, f. 769, 770.

Plusia Oxygramma, *Guen. Noct.* ii. 350, 1181.

Georgia.

48. PLUSIA FALCIGERA?

Nigro-cinerea; abdomen testaceo-cinereum; alæ anticæ lineis duabus indistinctis interioribus transversis argenteis, linea submarginali nigra distincta angulosa, orbiculari et reniformi nigro marginatis, linea argentea arcuata biangulata, macula postica rufescente, guttis costalibus subapicalibus albis, lunulis marginalibus albidis; posticæ pallide cinereæ, margine lato æneo-fusco.

Plusia falcigera? *Kirby, Faun. Bor. Amer.* iv. 308, 3. *Alæ anticæ nebula magna fusca falculam argenteam includente, extus ramulum includente.*

Nova Scotia.

Plusia rectangula? *Kirby, Faun. Bor. Amer.* iv. 306, 1. *Alæ anticæ cinereæ, nigro nebulosæ, macula discali nivea rectangula subramosa.*

Canada.

Dark gray, varied with black. Third joint of the palpi more than half the length of the second. Abdomen cinereous, with a testaceous tinge. Fore wings glossy, here and there slightly gilded, with two indistinct transverse undulating silvery lines near the base; submarginal line distinct, black, zigzag; orbicular and reniform spots with black borders, the former nearly round, the latter hardly excavated; discal silvery line forming two right angles, curved at each end, the inner end forming a simple curve, the outer curve forming a complete ringlet, and extending a little beyond it; a reddish hindward mark; a few white dots towards the tip of the costa, and a row of marginal whitish lunules; ciliæ alternately black and whitish. Hind wings pale cinereous, with broad æneous-

brown borders; ciliæ alternately dark brown and whitish. Length of the body 6 lines; of the wings 15 lines.

a, *b*. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
c, *d*. Nova Scotia. From Lieut. Redman's collection.

49. Plusia flagellum.

Mas. *Ferrugineo-fusca; thoracis fasciculi purpurascente marginati; abdomen cinereum; alæ anticæ purpureo-fuscæ, ex parte auratæ, fasciis subobsoletis, linea submarginali angulosa incompleta, lineis tribus transversis subauratis, linea discali argentea furcata, orbiculari indistincta, reniformi aureo marginata, linea marginali obscure fusca; posticæ cupreæ, ciliis albidis.*

Male. Ferruginous-brown. Third joint of the palpi a little more than half the length of the second. Lappets and tufts of the thorax and crests of the abdomen tipped with lilac. Abdomen cinereous. Fore wings purplish brown, partly gilded; bands almost obsolete, except the submarginal line, which is somewhat zigzag, and disappears towards the interior angle; three slightly gilded transverse lines, two interior and one exterior; discal mark forming a slightly curved silvery line, which is forked at the interior end, and encloses a less bright silvery streak; orbicular spot indistinct; reniform distinguished by its slightly gilded outline, and very much excavated on the exterior side; a dark brown marginal line; ciliæ interlined with paler brown. Hind wings cupreous, with whitish ciliæ. Length of the body 7½ lines; of the wings 18 lines.

a—*c*. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
d, *e*. North America. Presented by E. Doubleday, Esq.
f. ———?

50. Plusia indigna.

Mas. *Ferrugineo-fusca; thorax subfasciatus; abdomen cinereum; alæ anticæ angustæ, purpureo-fuscæ cupreo tinctæ, fasciis nigricantibus incompletis, linea submarginali postice obsoleta, orbiculari et reniformi nigricante marginatis, lineolis duabus transversis albidis, litura discali fuscescente subfusiformi argenteo marginata strigam pallidam includente; posticæ subcupreæ, basi cinereæ, ciliis albidis.*

Male. Ferruginous-brown. Third joint of the palpi nearly half the length of the second. Thorax slightly banded. Abdomen cinereous. Fore wings narrow, purplish brown, with a cupreous tinge; bands blackish, incomplete; submarginal line obsolete hindward; orbicular and reniform spots with blackish borders; orbicular small, almost round, with a dot in the middle; reniform narrow, excavated on the exterior side; two slight whitish transverse lines inside the discal mark, which is brownish, irregularly fusiform, encloses a paler streak, and has a slightly silvery border. Hind wings somewhat cupreous, cinereous towards the base; ciliæ whitish. Length of the body 6 lines; of the wings 14 lines.

a—c. Georgia. From Mr. Milne's collection.

Group 4.

Like the sixth European group.

51. Plusia mortuorum.

Nigricans; thorax albido varius, fasciculis ferrugineis; abdomen cinereum; alæ anticæ maculis basalibus et discalibus, fasciis duabus undulatis exterioribus lunulisque marginalibus argenteis; posticæ subcervinæ, margine lato nigricante, ciliis albido variis.

Plusia mortuorum, *Guen. Noct.* ii. 353, 1187.

a—e. Trenton Falls, New York. Presented by E. Doubleday, Esq.

f, g. Orilla, West Canada. From Mr. Bush's collection.

h. Canada. Presented by Dr. Barnston.

52. Plusia ampla.

Mas. *Cinerea; alæ anticæ latæ, lituris costalibus nigris, plaga magna postica cupreo-fusca disco incisa et argenteo marginata, orbiculari pallido marginata; reniformi ex parte nigro marginata, margine exteriore subdenticulato subobliquo; posticæ pallide flavæ, margine lato nigro-fusco, ciliis albido strigatis.* Fœm.—*Obscurior, ferruginosa; alæ posticæ sordide testaceæ, margine lato nigricante.*

Male. Cinereous. Third joint of the palpi about half the length of the second. Fore wings broad, with some black costal marks, and with a large cupreous-brown patch on the interior

border, along which it is cinereous, and inclines to deep black in the disk, where it is notched, and has an interrupted silvery border; orbicular spot elliptical, oblique, indistinct, with a pale border; reniform partly bordered on each side with black; the usual discal mark indicated by the excavation before mentioned; exterior border very slightly denticulated and oblique. Hind wings pale yellow, with broad blackish brown borders; ciliæ with whitish streaks. *Female.* — Thorax and fore wings much darker than those of the male, and with a ferruginous tinge; reniform spot more distinct and more completely bordered with black. Hind wings dingy testaceous, with broad blackish borders. Length of the body 6—8 lines; of the wings 15—18 lines.

a—*c*. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

d. Orilla, West Canada. From Mr. Bush's collection.

53. Plusia quadriplaga.

Fœm. *Cinerea; thorax fasciis ferrugineis; abdomen ferrugineo cristatum; alæ anticæ subschistaceæ, nigro conspersæ, fasciis subobsoletis, linea submarginali fusca subangulosa intus diffusa, plaga apud marginem interiorem magna quadrata nigro-fusca argenteo marginata lituram argenteam* Y *formem includente, orbiculari obliqua oblonga indistincta albido marginata, reniformi albo nigroque marginata; posticæ nigro-fuscæ, fascia albida, ciliis albidis fusco notatis.*

Phalæna Iota? *Cram. Pap. Exot.* ii. 106, pl. 165, f. C.

Virginia.

Female. Nearly allied to *P. ampla*. Cinereous. Thorax with ferruginous bands. Abdomen a little paler than the thorax, with ferruginous crests. Fore wings somewhat slate-colour, minutely speckled with black; bands almost obsolete, except the submarginal line, which is brown, diffuse on its interior side and somewhat zigzag; a large quadrate silvery-bordered dark brown patch on the interior margin, black in front, where it includes a silvery Y-shaped discal mark; orbicular spot with a whitish border, oblique, oblong, indistinct; reniform bordered with black, which is irregularly intersected by a white line. Hind wings blackish brown, with an

irregular and incomplete whitish band; cilia whitish, with dark brown marks. Length of the body 5½ lines; of the wings 13 lines.

a. Fraw Islands, Arctic North America. From the Arctic Expedition of H.M.S Investigator.

54. PLUSIA SELECTA.

Cinerea; thorax nigro fasciatus; abdomen pallide cinereum, cristis nigris; alæ anticæ latæ, nigro conspersæ, fasciis exterioribus subobsoletis, interiore duplicata, linea submarginali nigra undulata postice obsoleta, lunulis marginalibus nigris, orbiculari et reniformi nigro marginatis, hac argenteo marginata, litura discali argentea subquadrata postice subexcavata; posticæ pallide cinereæ, margine lato nigricante, ciliis ex parte albidis.

Gray. Third joint of the palpi full half the length of the second. Thorax with slight black bands. Abdomen pale cinereous, with black crests. Fore wings broad, irregularly speckled with black; the black bands almost obsolete, except the interior double one; submarginal line black, undulating, obsolete hindward; a row of black marginal lunules; orbicular and reniform spots with black borders, the former irregularly oval, the latter with an incomplete silvery border; discal mark silvery, subquadrate, slightly excavated on the hind border. Hind wings pale cinereous, with broad blackish borders; ciliæ partly whitish. Length of the body 7 lines; of the wings 17 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

55. PLUSIA ALTICOLA.

Mas. *Ferrugineo-fusca, subtus cinerea; abdomen aurato-cinereum; alæ anticæ basi et extus ex maxima parte cinereis, lineis duplicatis subangulatis obscure fuscis, orbiculari et reniformi pallido atroque marginatis, litura discali argentea V formi, linea marginali nigra, ciliis latis; posticæ luteæ, margine lato nigricante.*

Male. Nearly allied to *P. divergens.* Ferruginous-brown, cinereous beneath. Third joint of the palpi about half the length of the second. Abdomen somewhat gilded-cinereous. Fore wings mostly cinereous towards the base and exteriorly; interior and exte-

rior lines double, dark brown, slightly angular; orbicular and reniform spots with pale and broader deep black borders, the former oblique, irregularly oval; marginal line black; discal mark silvery, oblique, irregularly V-shaped; ciliæ broad. Hind wings luteous, with broad blackish borders. Length of the body 5 lines; of the wings 12 lines.

a. Rocky Mountains. Presented by the late Earl of Derby.

56. PLUSIA SECEDENS.

Mas. *Cinereo-nigra; abdomen fuscescente-cinereum; antennæ subciliatæ, subtus rufescentes; palpi pilosi, articulo 3o brevi; alæ anticæ obscure fuscæ, fasciis nigris indistinctis incompletis, linea submarginali maculari, orbiculari indistincta, reniformi argenteo submarginata, ciliis albo guttatis; posticæ luteæ, margine lato cupreo-fusco.*

Male. Black. Head and thorax with many cinereous hairs. Abdomen brownish cinereous. Palpi pilose; third joint short. Antennæ very minutely ciliated, reddish beneath. Fore wings dark brown, with indistinct and incomplete black bands; submarginal line macular; orbicular spot indistinct; reniform partly bordered with silvery white; the usual metallic discal mark obsolete; ciliæ with white dots. Hind wings luteous, with broad cupreous-brown borders. Length of the body 5½ lines; of the wings 13 lines.

This species has some affinities with *Hadena*, and may perhaps form a new genus.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.

West Indies.

Group I.

Like the first European group.

57. PLUSIA ILLUSTRATA.

Fœm. *Viridescente-cinerea; palporum articulus 3us brevis; alæ anticæ lineis transversis pallidioribus, macula postica trigona aurata; posticæ pallidæ, subangulatæ, basi subhyalinæ, margine nigricante, ciliis albidis.*

Plusia illustrata, *Guen. Noct.* ii. 328, 1137.

Haïti.

58. Plusia egena.

Var.? *Rufescente-cinerea; thorax antice croceus; abdomen cinereum; alæ anticæ acuminatæ, subauratæ fusco nebulosæ, linea exteriore obliqua et macularum marginibus obscurioribus, plagis duabus obscure fuscis, una postica subquadrata argenteo antice marginata, altera submarginali lineam submarginalem nigram angulatam includente; posticæ æneo-fuscæ, basi ciliisque pallidis.*

Plusia egena, *Guen. Noct.* ii. 328, 1138.

Var.? Pale fawn-colour. Fore wings almost hooked; discal spots and some transverse zigzag lines brownish; orbicular spot round; reniform spot elongated, hardly concave on the interior side, much excavated on the exterior side; two large gilded patches; one extending from the interior border to the disk, where it is bounded by a short curved silvery line; exterior border almost angular in the middle. Hind wings slightly æneous, indistinctly angular; base and ciliæ paler. Length of the body 5½ lines; of the wings 15 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Rio Janeiro. From Mr. Stevens' collection.
c. Bogotà. From Mr. Stevens' collection.
d—g. Venezuela. From Mr. Dyson's collection.
h. ——— ? Presented by J. F. Stephens, Esq.
i. ——— ?

Group 2.

Like the fifth European group.

59. Plusia includens.

Fœm. *Cinerea; alæ anticæ angustæ, cupreæ, ex parte auratæ, fasciis obliquis cinereis, lineis duabus basalibus argenteis, maculis duabus discalibus argenteis micantibus subrotundis, una integra, altera aperta guttamque argenteam includente, lineis transversis undulatis obliquis, margine exteriore perobliquo; posticæ cupreo-fuscæ, ciliis albidis.*

Female. Cinereous. Fore wings narrow, cupreous, gilded, here and there with cinereous oblique irregular bands, with two transverse silvery lines near the base; two brilliant silvery almost

round discal spots, one entire, the other open in front and enclosing a less brilliant spot; transverse lines undulating, oblique; exterior border very oblique; ciliæ rather deep. Hind wings cupreous-brown, with whitish ciliæ. Length of the body 6 lines; of the wings 15 lines.

a—c. St. Domingo. From Mr. Tweedie's collection.

60. PLUSIA CALCEOLARIS.

Mas. *Fusca; palporum articulus 3us brevis; abdomen cinereum, apice fuscescens; alæ anticæ cupreo-fuscæ, ex parte auratæ, apice productæ, guttis nonnullis costalibus subapicalibus pallidis, plaga elongata obscure fusca intus acuta extus reniformem attingente, reniformi argenteo subnotata, nigro biguttata, orbiculari subobsoleta, litura discali argentea longa intus dilatata extus furcata, margine exteriore perobliquo; posticæ cinereæ, basi ciliisque pallidioribus.*

Male. Brown. Third joint of the palpi not more than one-third of the length of the second. Abdomen cinereous, brownish at the tip. Fore wings cupreous-brown, mostly gilded, with some pale minute costal subapical dots; an elongated discal dark brown patch, nearly surrounding the silvery mark, acute at its inner end, and extending at its other end to the reniform spot; the latter with very slight silvery marks on its hind side, and containing on its exterior side two black dots; orbicular spot almost obsolete; discal mark long, very brilliant, dilated towards one end, and forked at the other; tips rather attenuated; exterior border very oblique. Hind wings cinereous, paler towards the base, and with pale ciliæ. Length of the body 6 lines; of the wings 15 lines.

a. St. Domingo. From Mr. Tweedie's collection.

61. PLUSIA HUMILIS.

Fœm. *Cinerea; palporum articulus 3us 2i dimidio vix brevior; thorax fuscescente fasciatus; alæ anticæ sat latæ, nigro conspersæ, lituris basalibus strigisque submarginalibus nigris, lineis transversis pallidis fusco marginatis, linea submarginali angulosa, orbiculari et reniformi pallido marginatis, hac longa angusta, litura discali argentea sat magna Y formi, lineis duabus marginalibus albidis; posticæ cinereæ, ciliis albidis.*

Female. Cinereous. Third joint of the palpi nearly half the length of the second. Thorax with pale brownish bands. Fore

wings moderately broad, with black speckles, with some black basal marks, and with some submarginal black streaks; transverse lines pale, with brown borders; submarginal line somewhat zigzag, bounding the black streaks; orbicular and reniform spots with pale borders, the former long and narrow; discal mark silvery-white, rather large, Y-shaped; two whitish marginal lines. Hind wings cinereous, with whitish ciliæ. Length of the body 4 lines; of the wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

South America.

Group 1.

Like the first European group.

62. Plusia Feisthamelii.

P. egena *simillima; palporum articulus 3us sat longus; alæ anticæ carneo-roseæ, margine interiore recto vix dentato, umbra submarginali cinerea vaga nitente lineam submarginalem indistinctam includente; posticæ cinereæ.*

Plusia Feisthamelii, *Guen. Noct.* ii. 329, 1139.

Cayenne.

Group 2.

Like the fifth European group.

63. Plusia Nu.

Cinerascens; abdomen sat breve; alæ subtus lutescente tinctæ; anticæ sericeæ subdentatæ, spatiis medio et submarginali obscurioribus magisque micantibus fascia obliqua pallida divisis, lineis transversis undulatis duplicatis subparallelis non bene determinatis, litura basali angulata nigra, litura discali flavescente-argentea Y *formi; posticæ fumoso-ochraceæ linea vaga margineque nigricantibus, ciliis pallidis nigricante strigatis.*

Plusia Nu, *Guen. Noct.* ii. 347, 1175.

Monte Video.

64. Plusia hamifera.

Cervina; thorax lineis transversis canis; abdomen fusco-cinereum; alæ anticæ glaucescentes, fasciis duabus latis indeterminatis auratis cupreo variis, litura discali pallide aurata micante e U guttam auream includente guttaque subrotunda, orbiculari et reniformi indistinctis, lineis duabus basalibus subauratis, lunulis marginalibus fuscis, gutta media ciliari nigra; posticæ æneo-fuscæ, ciliis canis fusco guttatis.

Fawn-colour. Lappets and crests of the thorax with hoary borders. Abdomen brownish cinereous. Fore wings glaucous, with two broad very irregular brightly gilded bands, which are varied with cupreous; first band containing the discal mark, which is pale gilded and brilliant, and consists of two parts, the one U-shaped and containing a gilded dot, the other nearly round, orbicular and reniform spots indistinct; a row of brown marginal lunules, and some corresponding pale brown lunules on the ciliæ, which have a black dot in the middle; two pale gilded transverse lines near the base. Hind wings æneous-brown, with hoary ciliæ, on which there is a row of elongated brown dots. Length of the body 6—7 lines; of the wings 14—16 lines.

a—c. Santarem. From Mr. Bates' collection.
d. Venezuela. From Mr. Dyson's collection.

65. Plusia admonens.

Fœm. *Ferrugineo-cinerea; thorax antice ochraceus; abdomen sordide testaceum; alæ anticæ subpurpurascentes, extus subauratæ, maculis anticis plagaque postica magna subquadrata ex parte argenteo marginata cupreo-fuscis, linea exteriore undulata nigricante, linea submarginali fusca undulata, lineis duabus basalibus pallidis, reniformi ex parte argenteo marginata, figura discali e gutta elliptica lituraque ?-formi argenteis; posticæ pallidæ, lunulis ciliaribus fuscis, margine lato æneo-fusco.*

Female. Ferruginous-cinereous. Third joint of the palpi nearly half the length of the second. Thorax orange in front. Abdomen dingy testaceous. Fore wings somewhat purplish, slightly gilded exteriorly, with some cupreous-brown spots in front, and with a large hindward subquadrate patch of the same hue with its border partly silvery; a transverse undulating blackish line extends along the outer side of the patch, and at half the distance

between this line and the exterior border there is an indistinct brown undulating submarginal line; two pale basal lines; orbicular spot indistinct; reniform with its border partly silvery; discal figures bright silvery, composed of an elliptical dot and of a ?-shaped mark; ciliæ with brown lunules. Hind wings pale, with a broad æneous-brown border; cilia pale. Length of the body 5½ lines; of the wings 12 lines.

Brazil. In Mr. Saunders' collection.

66. Plusia parallela.

Fœm. *Cinerea; palpi nigricantes; abdomen pallidum; alæ anticæ purpureo-cupreæ, lineis transversis nigricantibus duplicatis undulatis maculaque reniformi indistinctis, orbiculari subobsoleta, litura discali argentea obliqua longa angusta lineari acuminata intus cuprea strigamque albidam includente, strigis nonnullis discalibus nigris, lunulis marginalibus attenuatis nigricantibus; posticæ subcupreæ, ciliis albidis.*

Female. Cinereous. Palpi blackish. Abdomen pale. Fore wings purplish cupreous; transverse lines blackish, double, undulating, indistinct; reniform spot also indistinct; orbicular almost obsolete; discal mark silvery, oblique, long, narrow, linear, acuminated at each end, with a cupreous inner border which contains a whitish streak; the wing about this streak is darker than elsewhere, and contains some black streaks; a row of blackish much attenuated marginal lunules. Hind wings somewhat cupreous, with whitish ciliæ. Length of the body 7 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

67. Plusia detrusa.

Mas. *Cinerea; thorax fusco fasciatus; alæ anticæ strigis basalibus et submarginaiibus nigris, fascia latissima media lineisque duabus fuscis, linea submarginali undulata, orbiculari et reniformi pallido marginatis, illa magna oblonga, litura discali argentea postice guttam fuscam includente; posticæ luridocinereæ, margine lato fusco.*

Male. Cinereous. Third joint of the palpi nearly half the length of the second. Thorax with brown bands. Fore wings with a black curved mark and two black streaks near the base, and with some black submarginal streaks; a very broad middle brown

band, with a brown line on each side; submarginal line undulating, interrupted by the black streaks; orbicular and reniform spots with pale borders, the former large and oblong; discal mark silvery, irregularly Y-shaped, the fore part very open, the tail part dilated and containing a brown dot. Hind wings lurid-cinereous, with broad brown borders. Length of the body 6 lines; of the wings 14 lines.

a. Monte Video. Presented by C. Darwin, Esq.

68. Plusia fumifera.

Mas. *Fuscescente-cinerea; abdomen cinereum; alæ anticæ nitentes, lineis duabus undulatis interioribus, fascia media lata extus pallido bimarginata lineaque submarginali angulosa, fuscis, orbiculari et reniformi indistinctis, litura discali e annulis duabus argenteis, una subrotunda aperta, altera oblonga parva; posticæ lurido-cinereæ, margine lato fusco, ciliis pallidis fusco notatis.*

Male. Brownish cinereous. Third joint of the palpi full half the length of the second. Abdomen cinereous. Fore wings shining, with two interior undulating lines, a broad middle band, and the zigzag submarginal line brown; middle band with a double pale exterior border; orbicular and reniform spots indistinct; discal mark consisting of two silvery ringlets, the one nearly round, open in front, the other oblong, much smaller. Hind wings lurid-cinereous, with a broad brown border; ciliæ pale, with brown marks. Length of the body 5 lines; of the wings 13 lines.

a. Chili. From Mr. Cuming's collection.

69. Plusia? venatrix.

Fusca; abdomen testaceum, vitta fusca; alæ anticæ angustæ, nigro conspersæ, guttis discalibus maculaque apicali argenteis, fascia tenui arcuata exteriore ferruginosa, margine exteriore perobliquo; posticæ fascia lata testacea.

Phalæna-Noctua venatrix, *Cram. Pap. Exot.* iv. 244, pl. 400, f. K.

Surinam.

Group 3.

Like the sixth European group.

70. Plusia certa.

Fœm. *Cinerea; alæ anticæ purpurascente tinctæ, ex parte fuscæ, fascia exteriore fusca duplicata undulata, linea submarginali nigra angulata, orbiculari et reniformi pallido marginatis, illa obliqua oblonga, litura discali argentea* U *subformi; posticæ luteæ, margine angusto cupreo-fusco.*

Female. Cinereous. Third joint of the palpi more than half the length of the second. Fore wings with a purplish tinge, partly brown in the disk and towards the base; bands indistinct, except the exterior one, which is brown, double and undulating, and the submarginal one, which is black and zigzag; orbicular and reniform spots with pale borders, the former oblique, oblong; discal mark silvery, irregularly U-shaped. Hind wings luteous, with narrow cupreous-brown borders. Length of the body 5 lines; of the wings 12 lines.

a. Chili. From Mr. Cuming's collection.

Africa.

Group 1.

Like the first European group.

71. Plusia fracta.

Mas. *Cinerea; thorax antice cervinus, cristis altissimis; alæ anticæ plaga postica subquadrata spatioque submarginali micantibus cupreis aut nigris, illa antice albido lineata, lineis interiore et marginali pallidis, linea exteriore rosea fusco marginata, submarginali indistincta, macula orbiculari magna subrotunda pallido marginata; posticæ aneo-fuscæ, basi ciliisque pallidis.*

Male. Cinereous. Third joint of the palpi about half the length of the second. Thorax somewhat fawn-colour in front, its crests and those of the abdomen very high. Fore wings with a large hindward subquadrate patch, and the space about the exterior border shining, and shifting from blackish to cupreous, according

to the light which they reflect; the patch with a whitish line along its fore side, and slightly intersected on its exterior side by a pale rosy brown-bordered exterior line; orbicular spot large, almost round, with a pale border; reniform almost obsolete; interior line and marginal line pale; submarginal line indistinct. Hind wings æneous-brown, pale towards the base, and with pale ciliæ. Length of the body 6 lines; of the wings 16 lines.

Port Natal.

a. Congo. Presented by Sir J. Richardson.

Group 2.

Like the fifth European group.

72. PLUSIA LIMBIRENA.

Cinereo fusca; thorax fasciis duabus nigris; abdomen cervino-cinereum; alæ anticæ fuscæ, aureo et rufescente variæ, disco ex parte guttisque marginalibus nigricantibus, U guttaque oblonga discalibus punctisque apud lineam submarginalem argenteis, macula reniformi apud marginem anteriorem medium punctisque anterioribus roseis; posticæ pallide cinereæ, margine æneo-fusco.

Plusia limbirena, *Guen. Noct.* ii. 350, 1179.

Abyssinia. Cape. Madagascar.

a, *b*. South Africa. Presented by Dr. A. Smith.
c. St. Helena? From Mr. Milne's collection.
d. ——— ? From Mr. Milne's collection.

73. PLUSIA ANGULUM.

Cervino-fusca; abdomen cinereum; alæ anticæ fasciis obscurioribus indistinctis, apud marginem exteriorem subauratæ, linea interiore et macularum marginibus subargenteis, macula orbiculari elongata, litura discali argentea elongata obliqua antice furcata; posticæ æneo-cinereæ.

Plusia angulum, *Guen. Noct.* ii. 350, 1180.

a. Cape. From M. Dregé's collection.

74. Plusia indicator.

Mas. *Cinerea; caput et thorax fusco varia; alæ anticæ disco lineaque submarginali æneo-fuscis, lituris basalibus strigisque tribus submarginalibus nigris, lineis duabus (una basali, altera exteriore subundulata) et reniformis margine ex parte argenteis, litura discali argentea obliqua Y formi guttam includente, lunulis marginalibus fuscis; posticæ æneo-fuscæ, basi ciliisque albidis.*

Male. Cinereous. Head and thorax varied with pale brown. Third joint of the palpi full half the length of the second. Fore wings with some black marks at the base, mostly æneous-brown in the disk, and with an æneous-brown submarginal line, which joins three black streaks; two transverse silvery lines, one near the base, the other exterior and slightly undulating; border of the reniform spot partly silvery; discal silvery mark oblique, somewhat Y-shaped, the open part with a whitish disk; two marginal lines, the outer one darker than the other, and composed of much attenuated lunules. Hind wings pale æneous-brown, whitish towards the base, and with whitish ciliæ. Length of the body 5 lines; of the wings 12 lines.

a. Congo. Presented by Sir J. Richardson.

75. Plusia acuta.

Fœm. *Fuscescente-cervina, subtus pallida; thorax antice pallidior nigroque interrupte fasciatus, tegularum et cristarum marginibus canis; alæ anticæ auratæ, nigro subconspersæ, basi costa margineque exteriore roseo-cinereis, lineis duabus argenteis, una interiore strigaque rosea conjunctis, altera exteriore, orbiculari et reniformi indistinctis, litura argentea micante e maculis duabus, una lanceolata, altera subpyriformi; posticæ subæneæ, ciliis albidis.*

Female. Brownish fawn-colour, pale beneath. Thorax paler, and with an interrupted black band in front; lappets and crests with slightly hoary borders. Abdomen pale. Fore wings slightly and minutely speckled with black, mostly gilded, mostly pale cinereous, with a slightly rosy tinge at the base and along the costa, and along the exterior border, and with a marginal spot of the same hue near the interior angle; two transverse silvery lines, the one interior and accompanied by a rosy streak, the other exterior; orbicular and reniform spots indistinct; discal mark composed of two brilliant silvery spots, the one lanceolate, the other subpyriform.

Hind wings somewhat æneous, with whitish ciliæ. Length of the body 7 lines; of the wings 17 lines.

a. Congo. Presented by Sir J. Richardson.

76. Plusia spoliata.

Fœm. *Cervina; thorax tegulis cristisque cano marginatis, abdomen pallide cinereum; alæ anticæ subauratæ, fascia lata intermedia obliqua fusca albido marginata maculam reniformem et strigam lanceolatam albido marginatas includente, orbiculari obliqua elongata albido marginata, lineis duabus submarginalibus angulosis lineaque marginali albidis; posticæ æneofuscæ, basi cinereæ.*

Female. Fawn-colour. Third joint of the palpi nearly half the length of the second. Lappets and tufts of the thorax slightly tipped with hoary. Abdomen pale cinereous. Fore wings slightly gilded towards the base and about the exterior border; intermediate part occupied by a broad oblique brown band, which has whitish borders, and includes the whitish bordered reniform spot and discal lanceolate streak; orbicular spot also with a whitish border, oblique, elongated; two whitish angulose submarginal lines; marginal line whitish. Hind wings æneous-brown, cinereous towards the base. Length of the body 5½ lines; of the wings 14 lines.

a. Congo. Presented by Sir J. Richardson.

77. Plusia verticillata.

Cana; thorax fusco fasciatus; abdomen albidum, apice subtus nigrum; alæ anticæ pallide purpurascentes, aureo variæ, lineis transversis obliquis maculisque duabus discalibus argenteis; posticæ fusco marginatæ, ciliis albidis.

Plusia verticillata, *Guen. Noct.* ii. 344, 1168.

Var. ♂ *Male and female.* Cinereous. Head and the lappets and tufts of the thorax somewhat luteous. Fore wings rosy-cinereous, mostly gilded or cupreous-ferruginous; two silvery transverse basal lines; a double transverse undulating exterior ferruginous line; submarginal line, and the orbicular and reniform spots indistinct or incomplete; an almost marginal ferruginous line, which is interrupted and macular hindward; interior angle very distinct, with black ciliæ; the two discal marks brilliant silvery, approximate, the one U-shaped, with a silvery disk, the other oval. *Male.*—Ab-

domen with black apical tufts. Discal marks of the fore wings slightly gilded. Length of the body 6 lines; of the wings 14 lines.

a. Silhet. From the Rev. J. Stainforth's collection.
b. North India. From Mr. Stevens' collection.
c. North India. From Mr. James' collection.
d. North India. Presented by J. G. Children, Esq.
e. China. Presented by G. T. Laye, Esq.
f. Hindostan. From Archdeacon Clerk's collection.
g, *h*. Java. From the East India Company's collection.
i. Port Natal. From Mr. Plant's collection.
j, *k*. Australia. From Mr. Lambert's collection.
l, *m*. ——— ? From Mr. Milne's collection.
n. ——— ? Presented by E. Doubleday, Esq.
o—*r*. Ceylon. Presented by R. Templeton, Esq.

Var. Hind silvery mark very small and narrow.

Australia. From Mr. Lambert's collection.
——— ?

78. Plusia patefacta.

Cinereo-fusca; thorax fasciis duabus nigricantibus; abdomen cinereum; alæ anticæ cinereæ, ex parte æneo-fuscæ, fasciis angulosis pallide cinereis ex parte nigro marginatis, interiore et exteriore duplicatis, strigis submarginalibus lunulisque marginalibus nigris, lineis duabus marginalibus albidis, orbiculari et reniformi argenteo submarginatis, illa obliqua valde elongata, litura argentea U *subformi; posticæ cinereæ, margine latissimo æneo-fusco, ciliis albidis.*

Cinereous-brown. Third joint of the palpi short. Thorax with two blackish bands. Abdomen cinereous. Fore wings cinereous, partly æneous-brown; bands zigzag, pale cinereous, partly bordered with black; interior and exterior bands double, almost obsolete in front; submarginal band bordering some black streaks; two whitish lines and a row of attenuated black lunules along the margin; orbicular and reniform with slight incomplete silvery borders; orbicular oblique, much elongated; reniform much excavated on its exterior side; an irregularly U-shaped silvery mark, joining the interior band and the orbicular spot. Hind wings cinereous, with very broad æneous-brown borders; ciliæ whitish. Length of the body 6 lines; of the wings 15 lines.

a. Interior of South Africa. Presented by the late Earl of Derby.
b, *c*. South Africa. Presented by Dr. A. Smith.
d, *e*. Cape. From M. Dregé's collection.
f. Teneriffe.

79. PLUSIA INCONCLUSA.

Mas. *Cinerea; thorax nigro vittatus; alæ anticæ nitentes, vix metallicæ, macularum marginibus, lineis transversis undulatis strigaque discali nigris, striga anteriore, lituris submarginalibus guttisque apud reniformem albis, linea submarginali fusca vaga, lunulis marginalibus nigris, costa apicem versus albo notata; posticæ nigro-æneæ, basi albæ, ciliis ex parte albis.*

Male. Cinereous. Palpi stout; third joint full half the length of the second. Thorax and abdomen with high crests, the former with black bands. Fore wings shining, hardly with metallic lustre, with interior and exterior transverse undulating black lines; a black longitudinal discal streak, along the fore side of which there is a much less white streak; orbicular and reniform spots with black borders, the outline of the latter also marked by some white dots on the exterior side, the former almost round; submarginal line brown, very irregular, accompanied by some whitish marks; a row of black marginal lunules; apical half of the costa with white marks. Hind wings dark æneous, white towards the base; ciliæ white. Length of the body 6 lines; of the wings 15 lines.

This species differs much from most of the *Plusiæ*, and may perhaps form a new genus.

Port Natal. In Mr. Saunders' collection.

Madagascar.

Group 1.

Like the third European group.

80. PLUSIA FLORINA.

P. auriferæ *simillima; thorax antice rufescens; alæ anticæ costa rufescente, fascia aurata micante marginem interiorem attingente guttam semilunatam includente, maculis obsoletis.*

Plusia Florina, *Guen. Noct.* ii. 336, 1154.
Plusia aurifera? *Boisd. Lep. Mad.* 95.

Madagascar.

Group 2.

Like the fifth European group.

81. PLUSIA ANARGYRA.

Alæ anticæ violaceo-cinereæ, apud marginis exterioris medium æneo sericeæ, lineis transversis lituraque discali albo-flavescentibus; posticæ nigricante-cinereæ, basi pallidiores.

Plusia anargyra, *Guen. Noct.* ii. 351, 1183.

Madagascar.

Asia.

Group 1.

Like the first European group.

82. PLUSIA AGRAMMA.

Fusco-cinerea; abdomen pallide cinereum; alæ anticæ nitentes, vitta arcuata fasciaque lata abbreviata submarginali auratis; posticæ cinereæ, basi pallidiores.

Plusia Agramma, *Guen. Noct.* ii. 327, 1136.

a, *b*. Ceylon. Presented by R. Templeton, Esq.
c. Java. From the East India Company's collection.

Group 2.

Like the fifth European group.

83. PLUSIA SIGNATA.

Obscure cinerea; alæ anticæ lineis transversis undulatis nigro-fuscis, guttis basalibus nigris, guttis duabus discalibus argenteis maculaque marginali aurea; posticæ cinereæ, marginibus latis fuscis. Var. β.—*Alæ anticæ aureo variæ, guttis basalibus argenteis; posticæ pallide cinereæ, basi albidæ.*

Noctua signata, *Fabr. Ent. Syst.* iii. 2, 81, 234. *Enc. Meth.* 314.
Plusia signata, *Guen. Noct.* ii. 345, 1171.

Hindostan. Isle Bourbon?

a. Java. From the East India Company's collection.

84. Plusia albostriata?

Fusca; palpi cinerei; thorax cinereo fasciatus, antice luteus; abdomen cinereum; alæ anticæ auratæ ex parte purpureo-glaucescentes fasciis lineisque fuscis, striga submarginali nigricante, orbiculari indistincta, reniformi ex parte argenteo marginata, maculis duabus discalibus elongatis lineaque interiore obliqua argenteis, macula apud angulum interiorem lutea; posticæ cinereæ, fusçescente marginatæ.

Plusia albostriata? *Bremer und Grey, Beitr. zur Schmett. Fauna des Nordlichen China's*, 18, 97. *Alæ anticæ cinereo fuscoque variæ, striga albida mediana inscripta; posticæ cinereæ.*

This species is closely allied to *P. biloba*, and may be only a variety of it.

Brown. Palpi cinereous; third joint nearly half the length of the second. Thorax with gray bands, luteous in front. Abdomen cinereous. Fore wings mostly gilded, partly glaucous, with a purplish tinge; bands and transverse lines brown, much as usual; a submarginal blackish streak; orbicular spot indistinct; reniform with its border partly silvery; discal mark silvery, brilliant, consisting of two large subfusiform spots, the interior one joining an oblique silvery line; a luteous spot by the interior angle. Hind wings cinereous, with brownish borders. Length of the body 7 lines; of the wings 16 lines.

a. North China. From Mr. Fortune's collection.

85. Plusia furcifera.

Mas. *Obscure cervina; abdomen cinereum, cervino cristatum; alæ anticæ aurato-cervinæ, plaga discali nigricante, lineis transversis pallidis angulosis duplicatis indistinctis, striga brevi discali furcata annuloque argenteis, orbiculari obliqua oblonga argenteo marginata; reniformi indistincta; margine exteriore vix denticulato; posticæ cinereæ, margine lato æneo.*

Male. Dark fawn-colour. Abdomen cinereous, with high fawn-coloured crests. Fore wings gilded fawn-colour, with a large blackish patch in the disk; transverse lines pale, zigzag, double, indistinct; a short discal silvery streak, forked at one end, near which there is a silvery ringlet, and the latter is contiguous to the orbicular spot, which is oblique and oblong, and also distinguished

by its silvery outline; reniform spot indistinct; exterior border hardly denticulated; ciliæ short. Hind wings cinereous, with broad æneous borders. Length of the body 6 lines; of the wings 14 lines.

a, *b*. North India. From Mr. James' collection.

86. Plusia ciliaris.

Mas. *Cinereo-fusca; thorax fasciis pallidioribus; abdomen cinereum; alæ anticæ æneo-fuscæ, fasciis tribus undulatis duplicatis albidis, linea submarginali pallida undulata, lineis submarginalibus exterioribus albidis, lunulis marginalibus nigris, striga discali pallida lanceolata, orbiculari et reniformi argenteo submarginatis, orbiculari obliqua elongata, ciliis albidis fusco interlineatis; posticæ pallide cinereæ, margine lato subæneo.*

Male. Cinereous-brown. Thorax with paler bands. Abdomen cinereous. Fore wings æneous-brown, with three undulating double whitish bands; first and second interior; third exterior; submarginal line pale, undulating, irregular; two whitish lines between it and the exterior border, on which there is a row of elongated black lunules; ciliæ broad, pale; a lanceolate pale discal streak, which, like the orbicular and reniform spots, has a slightly silvery border; orbicular spot oblique, much elongated; veins partly pale. Hind wings pale cinereous, with broad slightly æneous borders; ciliæ whitish, slightly interlined with brown, as are also those of the fore wings. Length of the body 5½ lines; of the wings 13 lines.

a. Nepaul. Presented by W. W. Saunders' Esq.
b, *c*. North India. From Mr. Stevens' collection.

87. Plusia nigrisigna.

Fœm. *Subcervino-cinerea; alæ anticæ pallide cinereæ, ex parte auratæ aut cupreo-ferrugineæ, lineis transversis argenteis, striga basali guttaque discali nigris, linea submarginali fusca angulosa, reniformi ex parte nigra argenteo submarginata, lituris discalibus argenteis, una U formi, altera fusiformi parva, ciliis latis fusco strigatis; posticæ cinereæ, margine lato cupreo, ciliis albidis.*

Female. Cinereous, slightly fawn-colour. Third joint of the palpi about half the length of the second. Fore wings pale cine-

reous, here and there slightly gilded or cupreous-ferruginous; a silvery transverse line near the base, with a black streak along the hind part of its inner side; a second silvery line joining the inner discal mark, near which it is abruptly bent inward, and includes a black dot in its curve; third silvery line exterior, zigzag hindward; submarginal line brown, zigzag; reniform spot partly black, with a slightly silvery outline; discal marks silvery; one U-shaped, very open; the other fusiform, small; ciliæ broad, with brown streaks. Hind wings cinereous, a brown line near the broad cupreous borders; ciliæ whitish. Length of the body 6½ lines; of the wings 15 lines.

a. North India. Presented by Gen. Hearsay.

88. PLUSIA EXTRAHENS.

Fœm. *Cinerea; thorax fasciis duabus anticis interruptis nigris; alæ anticæ nigro subconspersæ, ex parte auratæ, litura basali lineaque submarginali angulosa nigris, linea interiore pallida undulata fusco marginata, exteriore indistincta, orbiculari subobsoleta, guttis duabus discalibus albis vix argenteis, una longi-ovata, altera* U *formi, ciliis denticulatis albido strigatis, litura postica nigra; posticæ cinereæ, margine lato æneo, ciliis albidis.*

Female. Cinereous. Palpi rather pilose; third joint not less than half the length of the second. Thorax with two slender incomplete black bands in front. Fore wings here and there slightly gilded, thinly and minutely speckled with black, and with some black marks at the base; interior line pale, undulating, and with a brown border on each side; exterior line more indistinct; submarginal line black, zigzag, partly composed of black streaks; orbicular spot almost obsolete; discal mark composed of two white hardly silvery dots, one elongate-oval, the other U-shaped; a little whitish discal streak; ciliæ denticulate, with whitish streaks, and with a black mark on the hind part. Hind wings cinereous, with broad æneous borders; ciliæ whitish. Length of the body 7 lines; of the wings 16 lines.

a. North India. Presented by Gen. Hearsay.

89. Plusia significans.

Mas. *Cervina; thorax nigro fasciatus; abdomen longum, pallidum; alæ anticæ subauratæ fusco subnebulosæ, lineis transversis pallidis undulatis fusco marginatis, linea submarginali angulosa, lituris basalibus strigisque submarginalibus nigris, orbiculari et reniformi pallido marginatis, illa obliqua oblonga, litura* U *subformi annuloque elliptico discalibus argenteis, lineis marginalibus duabus pallidis unaque nigra, ciliis pallidis fusco notatis; posticæ cinereæ, margine lato æneo-fusco, ciliis albidis fusco notatis.*

Male. Fawn-colour. Third joint full half the length of the second. Thorax with black bands. Abdomen long, very pale. Fore wings slightly clouded with brown, very slightly gilded; transverse lines pale, undulating, bordered with dark brown; submarginal line zigzag; two black marks at the base, and some submarginal black streaks; orbicular and reniform spots with pale borders, the former oblique and oblong; discal mark silvery, forming an irregular U, which is connected with a small elliptical ringlet; two pale and one black marginal lines; ciliæ pale, with brown almost semicircular marks. Hind wings pale cinereous, with broad æneous-brown borders; ciliæ whitish, with brown marks. Length of the body 6 lines; of the wings 14 lines.

a. Punjaub. Presented by Gen. Hearsay.

90. Plusia obtusisigna.

Mas. *Cinerea; thorax fusco fasciatus: alæ anticæ lituris basalibus guttisque marginalibus nigris, lineis transversis subroseis aureo-fusco marginatis, linea submarginali aureo-fusca undulata, orbiculari et reniformi subobsoletis striga lata discali obliqua aurata nigro-fusca, litura interiore angulata alba; posticæ cinereæ, margine lato æneo.*

Male. Cinereous. Third joint of the palpi full half the length of the second. Thorax with brown bands. Fore wings with two black marks at the base, and with black marginal dots; transverse lines pale rose-colour, with gilded brown borders; submarginal line gilded brown, undulating; orbicular and reniform spots almost obsolete; a broad gilded oblique dark brown discal streak, bordered with an angular white mark on its interior side. Hind wings cinereous, with broad æneous borders. Length of the body 4½ lines; of the wings 11½ lines.

a. Ceylon. Presented by R. Templeton, Esq.

91. PLUSIA NIGRILUNA.

Fœm. *Obscure fusca ; caput subtus album, lateribus posticis luteis ; palporum articuli apice albo punctati ; antennæ basi albæ ; abdomen cinereum ; alæ anticæ purpureo tinctæ, aureo variæ, lineis transversis undulatis liturisque costalibus pallide purpurascentibus, maculis oblongis marginalibus nigris, orbiculari et reniformi indistinctis, maculis duabus discalibus ovatis argenteis micantibus ; posticæ fuscæ, basi pallidæ, ciliis pallidis fusco notatis.*

Female. Dark brown. Head white beneath, luteous on each side behind. Palpi stout, with a white point at the tip of each joint; third joint nearly half the length of the second. Antennæ white at the base. Thorax and abdomen with high crests, the latter cinereous. Fore wings mostly tinged with purple, with some brightly gilded marks; interior and exterior lines undulating, pale purplish, as are also some costal marks; some oblong black marginal spots; orbicular and reniform spots indistinct; discal mark consisting of two brilliant silvery slightly oval spots. Hind wings brown, pale at the base, and with pale brown-dotted ciliæ. Length of the body 5 lines; of the wings 13 lines.

a Ceylon. Presented by R. Templeton, Esq.

92. PLUSIA INTEGRA.

Mas. *Ferruginea ; vertex et thorax anticus lutei ; abdomen cinereum ; alæ anticæ fuscæ, auratæ, linea exteriore obliqua nigricante, linea submarginali undulata nigricante, guttis duabus discalibus argenteis micantibus, una ovata parva altera longi-ovata ; posticæ cinereæ, margine lato æneo.*

Male. Ferruginous. Vertex of the head and fore part of the thorax luteous. Third joint of the palpi less than half the length of the second. Abdomen cinereous. Fore wings brown, gilded; marks indistinct, except an oblique blackish exterior line; submarginal line blackish, undulating; discal mark formed of two bright silvery spots, the one oval, the other larger and elongate-oval. Hind wings cinereous, with broad æneous borders. Length of the body 5 lines; of the wings 12 lines.

Hindostan. In Mr. Saunders' collection.

93. Plusia tetragona.

Fœm. *Cinerea; alæ anticæ fascia postica obliqua abbreviata latissima nigro-fusca, striga anteriore longi-fusiformi argentea, linea exteriore fusca, orbiculari et reniformi subobsoletis, linea marginali albida; posticæ pallide cinereæ, linea discali margineque fuscescentibus.*

Female. Cinereous. Third joint of the palpi full half the length of the second. Fore wings with an oblique very broad blackish brown band, which extends from the interior border to the disk, and is there obliquely truncated; it is bordered with black, and in front is partly bordered by, and partly contains, an elongated fusiform silvery streak; its exterior border is continued to the costa, and there is a brown line at about half the distance between it and the exterior border of the wing; orbicular and reniform spots almost obsolete; a whitish marginal line. Hind wings pale cinereous; a discal line and the border brownish. Length of the body 5 lines; of the wings 13 lines.

Hindostan. In Mr. Saunders' collection.

Australia.

Group 1.

Like the fifth European group.

94. Plusia argentifera.

Cinerea; alæ anticæ cupreo aureoque variæ, lineis duabus transversis basalibus lituraque biangulata apud maculam reniformem argenteis, maculis duabus discalibus argenteis micantibus, una vix U *formi, altera subtrigona; posticæ æneo-cinereæ.*

Plusia argentifera, *Guen. Noct.* ii. 352, 1186.

a. Sydney. From Mr. Lambert's collection.
b. Moreton Bay. Presented by — Gibbons, Esq.
c. Moreton Bay. From Capt. Parry's collection.
d. Moreton Bay. From Mr. Stevens' collection.
e. Australia. Presented by the Entomological Club.
f, *g*. Adelaide. From Mr. Stevens' collection.
h. Tasmania. From Mr. A. J. Smith's collection.

95. PLUSIA SECUNDARIA.

Pallide cinereo-fusca; thorax fascia angusta albida; abdomen pallide cinereum; alæ albido ciliatæ; anticæ cinereæ, auratæ, extus pallide subpurpurascentes, lineis duabus basalibus transversis interruptis, striga magna discali intus excavata, gutta anteriore minima, striga arcuata contigua guttaque postica argenteis, linea submarginali fusca interrupta strigam emittente; posticæ æneo-fuscæ, basi pallidæ.

Allied to *P. rogationis*, but distinct. Pale cinereous-brown. Thorax with a slender whitish band. Abdomen pale cinereous. Wings with whitish ciliæ. Fore wings cinereous, mostly gilded; exterior part pale, with a lilac tinge; two interrupted transverse silvery lines near the base; a large silvery discal streak, much excavated on the middle of the fore side, and thus forming two lobes; a very minute silvery dot in front of the excavation, and near it a curved silvery streak partly bordering the reniform spot; another silvery dot on the interior border; submarginal line brown, interrupted, and emitting a streak towards the disk in the middle, in front of which it is straight, whereas that of *P. rogationis* is angular. Hind wings æneous-brown, pale towards the base. Length of the body 5 lines; of the wings 12 lines.

a, *b*. Adelaide. Presented by the Entomological Club.
c. Swan River. Presented by Sir J. Richardson.
d. Australia. Presented by J. Hunter, Esq.
e. Sydney. From Mr. Lambert's collection.
f. Australia.
g. ——?

New Zealand.

Group 1.

Like the fifth European group.

96. PLUSIA ERIOSOMA.

Purpureo-fusca; caput et thorax anticus cervina; abdomen fusco-cinereum; alæ anticæ aureo variæ, plaga discali nigra, litura hamata guttaque fusiformi discalibus argenteis; posticæ cupreo-fuscæ, margine latissimo subobscuriore, ciliis pallidis.

Plusia eriosoma, *Doubleday*, *Dieffenbach's New Zealand*, i. 285, 114.

a—e. New Zealand. Presented by Col. Bolton.
f, g. New Zealand. Presented by the Rev. W. Colenso.
h—k. New Zealand. Presented by Dr. Sinclair.
l, m. New Zealand. From Capt. Parry's collection.
n, o. New Zealand. Presented by Capt. James C. Ross.

Country unknown.

97. PLUSIA GEMMIFERA.

Nigra; caput album; thorax et alæ anticæ coloribus micantibus iridescentibus metallicis ornatæ; alæ anticæ apud marginem exteriorem obscure cupreo-rufæ nigro guttatæ, fusciis tribus indeterminatis albis, fascia 3a abbreviata guttisque nonnullis albis contiguis, maculis discalibus obsoletis, guttis submarginalibus auratis; posticæ albæ, cupreo marginatæ.

Black. Thorax and fore wings adorned with brilliant iridescent metallic colours. Head white. Third joint of the palpi lanceolate, hardly one-third of the length of the second. Abdomen with black crests. Fore wings dark cupreous-red and dotted with black towards the exterior border, adorned with three very irregular white bands; third band not extending to half the breadth from the costa, where it is accompanied by some white dots; the discal spots obsolete; a row of submarginal gilded dots. Hind wings white, with cupreous borders, which are broadest towards the tips. Wings beneath with a blackish discal dot on each; hind wings with an incomplete blackish band. Length of the body 6 lines; of the wings 14 lines.

This species recedes far from most of the others of this genus, and seems to be allied to the *Hadenidæ*.

a. ——? Presented by E. Doubleday, Esq.

Genus 4. THYRIA.

Corpus robustum. Proboscis breviuscula. Palpi validi, oblique ascendentes; articulus 3us 2i dimidio multo brevior. Antennæ simplices, validæ, corporis dimidio fere breviores. Thorax squamosus. Abdomen longiusculum, apice attenuatum, alas posticas sat superans. Pedes validi, pilosissimi; tibiæ posticæ calcaribus longissimis. Alæ anticæ maculis auratis vel argenteis, apud costam rectæ, apice acutæ, marginæ exteriore sæpissime denticulato; posticæ luteæ, margine obscuro.

Thyria, *Guen. Noct.* ii. 357.
Argyrosticta, p., *Hübn. Verz. Schmett.* 253.

Body stout. Proboscis rather short. Palpi stout, obliquely ascending; third joint much less than half the length of the second. Antennæ simple, stout, hardly half the length of the body. Thorax squamose. Abdomen rather long, somewhat attenuated towards the tip, extending nearly one-third of its length beyond the hind wings. Legs stout, very pilose; hind tibiæ with very long spurs. Fore wings moderately broad, with metallic spots, straight in front, acute at the tips, generally denticulated and notched along the exterior border. Hind wings luteous, with dark borders.

1. Thyria Bellinita.

Alæ anticæ violaceo-fuscæ, cinereo squamosæ, maculis discalibus pallide auratis, lineis mediis remotis e lunulis nigris, linea submarginali e lunulis cinereis, lunulis marginalibus nigris; posticæ luteæ, margine violaceo-fusco.

Thyria Bellinita, *Guen. Noct.* ii. 357, 1197.

Pernambuco.

2. Thyria Amœnita.

Ferruginea; thorax nigro bivittatus; alæ anticæ nigro guttatæ, maculis duabus subcostalibus, duabus discalibus, una subapicali, guttisque submarginalibus auratis; posticæ luteæ, angulatæ, margine latissimo fusco.

Phalæna-Noctua Amœnita, *Cram. Pap. Exot.* iv. 47, pl. 312, f. D.
Thyria Amœnita, *Guen. Noct.* ii. 357, 1198.
Argyrosticta Amœnita, *Hübn. Verz. Schmett.* 253, 2503.

Surinam.

3. Thyria ditissima.

Mas. *Rufescens; caput et thorax fasciis interruptis fuscis; abdomen luteum, apice fuscum et fasciculatum; alæ anticæ ferrugineæ, lineis fasciisque variis rufescentibus, fascia exteriore lunulas nigras includente, linea basali transversa albida, maculis plurimis discalibus et marginalibus argenteis micantibus, margine exteriore denticulato et excavato; posticæ luteæ margine latissimo cupreo, ciliis pallidis.*

Male. Reddish. Head and thorax with interrupted brown bands. Abdomen luteous, brown and tufted at the tip. Fore wings

ferruginous, with various reddish lines and bands; exterior band including a row of black lunules; a transverse whitish basal line; some minute silvery costal marks, and several bright silvery spots in the disk and along the exterior border; largest spot apical; exterior border denticulate and excavated. Hind wings luteous, with very broad cupreous-brown borders and pale ciliæ. Length of the body 6 lines; of the wings 12 lines.

a. Parà. From Mr. Stevens' collection.

Genus 5. BASILODES.

Mas. Corpus robustum. Caput fasciculo porrecto. Proboscis brevis. Antennæ simplices, breves, validæ, cylindricæ. Palpi breves, porrecti, crassi; articulus 2us obtusus; 3us brevissimus. Thorax quadratus, tegulis abbreviatis, fasciculo denso intermedio. Abdomen læve, carinatum. Tibiæ robustæ. Alæ crassæ, latiusculæ; anticæ metallicæ, apud costam subconvexæ, apice acutæ, margine exteriore denticulato.

Basilodes, *Guen. Noct.* ii. 358.

Male. Body stout. Head with a porrect tuft in front. Proboscis short. Palpi short, porrect, stout; second joint obtuse; third very short. Antennæ short, stout, simple, cylindrical. Thorax quadrate; the lappets short; a thick intermediate tuft. Abdomen smooth, keeled, extending a little beyond the hind wings. Legs moderately long; tibiæ stout. Wings dense, rather broad. Fore wings metallic, slightly convex in front, acute at the tips; exterior margin denticulate, slightly convex in the middle.

1. Basilodes Pepita.

Mas. *Pallide flavescens; thorax tegulis cristaque fusco marginatis; alæ anticæ aureo squamosæ, margine interiore cinerascente, macularum marginibus lineisque fuscis, linea interiore valde sinuata, exteriore obliqua, submarginali vaga denticulata, orbiculari et reniformi subrotundis subæqualibus; posticæ cinereæ.*

Basilodes Pepita, *Guen. Noct.* ii. 358, 1199.

Florida.

Genus 6. PLUSIODONTA.

Corpus gracile. Caput fasciculo antico porrecto. Proboscis brevis. Palpi longi, validi, porrecti, pilosi, caput longe superantes; articulus 2us linearis, compressus, longissimus. Antennæ corporis dimidio non longiores. Thorax brevis, cristatus. Abdomen alas posticas perparum superans. Pedes longiusculi, validi; tibiæ posticæ calcaribus longissimis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice vix acutæ, margine exteriore perparum obliquo, interiore dentato. *Mas.*—Antennæ pectinatæ.

Plusiodonta, *Guen. Noct.* ii. 359.

Body slender. Head with a porrect tuft in front. Proboscis short. Palpi long, stout, porrect, pilose, extending far beyond the head; third joint linear, compressed, very long. Antennæ not more than half the length of the body. Thorax short, crested. Abdomen extending very little beyond the hind wings. Legs rather long and stout; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight in front, hardly acute at the tips, very slightly oblique along the exterior border; a stout villose tooth on the interior border before the middle. *Male.*—Antennæ moderately pectinated. Type, *P. compressipalpis*. This genus approaches very closely to some groups of *Pyralites*.

West Indies.

1. PLUSIODONTA THOMÆ.

Alæ anticæ fuscæ, violaceo et ferrugineo variæ, maculis duabus basalibus lineaque exteriore auratis, apud marginem exteriorem obscure fuscæ, plaga purpurascente-cinerea, linea marginali ferruginea squamis purpurascente-albis marginata, angulo interiore denteque ferrugineis; posticæ cinereæ.

Plusiodonta Thomæ, *Guen. Noct.* ii. 360.

Isle St. Thomas.

Asia.

2. PLUSIODONTA CHALSYTOIDES.

Ferruginosa, subtus albida; capitis thoracisque antice latera lutea; abdomen cinereum; alæ anticæ cinereo variæ, fasciis duabus interruptis antice attenuatis maculaque discali aureis; posticæ cinereæ.

Plusiodonta chalsytoides, *Guen. Noct.* ii. 360, 1201.
Hindostan. Java.

3. PLUSIODONTA COMPRESSIPALPIS.

Flavescens; alæ anticæ pallide subcervinæ, basi lineisque duabus mediis flexis postice approximatis purpurascentibus, lineis duabus interioribus undulatis, annulo postico exteriore difformi lineaque submarginali auratis fusco ex parte marginatis, reniformis margine lineaque submarginali albidis, strigis marginalibus fuscis; posticæ æneæ, ciliis cinereis.

Plusiodonta compressipalpis, *Guen. Noct.* ii. 359, 1200.
Hindostan.

Genus 7. CHLIARA.

Corpus robustum, dense pilosum non cristatum. Proboscis longiuscula. Palpi validi, pilosi, ascendentes; articulus 2us subtus dense fasciculatus; 3us linearis, 2i triente non brevior. Antennæ corporis dimidio paullo longiores. Abdomen subcompressum, subcarinatum, alas posticas plus triente superans. Pedes validi, dense fasciculati; tibiæ posticæ calcaribus longis. Alæ longæ, sat angustæ, lituris metallicis, apud costam rectæ, apice angulatæ, marginis exterioris dimidio postico perobliquo. *Mas.* — Antennæ serratæ.

Autographa, p., *Hübn. Verz. Schmett.* 251.

Body stout, thickly pilose. Proboscis rather long. Palpi stout, pilose, ascending, almost vertical; second joint thickly tufted beneath; third joint linear, about one-third of the length of the second. Antennæ a little more than half the length of the body. Thorax and abdomen not crested. Abdomen slightly compressed and keeled, extending for more than one-third of its length beyond the hind wings. Legs stout, thickly tufted, especially the hind pair; hind tibiæ with long spurs. Fore wings long, rather narrow, with metallic marks, straight in front, angular at the tips, extremely oblique along the hind part of the exterior border. *Male.*—Antennæ distinctly serrated.

1. CHLIARA IMPERIALIS.

Mas. *Testacea; caput et thorax anticus coccinea; alæ anticæ auratæ, ochraceo notatæ, plagis duabus magnis lineisque duabus exterioribus angulosis rufo-coccineis, lituris basalibus discalibus et submarginalibus argenteis, guttis submarginalibus nigris; posticæ rufescente tinctæ.*

Plusia imperialis, *MSS.*

Male. Testaceous. Head and fore part of the thorax crimson. Fore wings gilded, with orange speckles, and with two large reddish crimson patches, one on the interior border, and extending in a band across the wing and along part of the costa, the other along the fore part of the interior border; two exterior transverse zigzag lines of the same hue, the inner one accompanied by a pale line; various bright silvery marks at the base, in the disk, near the tips, and along the exterior border, where there is also a row of black dots; discal spots larger than the others, in a cluster, and partly enclosing some gilded marks. Hind wings with a reddish tinge, except towards the base. Length of the body 12 lines; of the wings 22 lines.

a. Brazil. From M. Becker's collection.

2. CHLIARA CRESUS.

Cinerea; abdomen albidum fasciis roseis; alæ anticæ luteæ, ferrugineo variæ, guttis nonnullis lunula lineaque submarginali argenteis; posticæ albidæ, margine interiore lato fasciaque tenui submarginali pallide roseis.

Phalæna Cresus, *Cram. Pap. Exot.* ii. 72, pl. 142, f. C.

Autographa Crœsa, *Hübn. Sam. Exot. Schmett.* ii. *Lep.* iv. *Noct.* iii. *Semigeometræ*, i. *Plusiæ*, A. *Inscriptæ*, iii. f. 1—4; *Verz. Schmett.* 251, 2491.

Berbice.

Genus 8. CONCANA.

Corpus sat robustum. Proboscis mediocriter longa. Palpi ascendentes; articulus 3us linearis, 2i dimidio multo longior. Antennæ graciles, simplices, corporis dimidio multo longiores. Thorax non fasciculatus. Abdomen non cristatum, alas posticas vix superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ anticæ angustæ, apud costam rectæ, apice rotundatæ, marginis exterioris dimidio postico perobliquo; posticæ semihyalinæ.

Body moderately stout. Proboscis moderately long. Palpi vertical; third joint linear, much more than half the length of the second. Antennæ slender, simple, much more than half the length of the body. Thorax not tufted. Abdomen not crested, hardly extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Fore wings narrow, straight in front, rounded at the tips, slightly convex along the exterior border, whose hind part is very oblique. Hind wings semihyaline.

1. CONCANA MUNDISSIMA.

Mas. *Cana; caput et thorax anticus testacea; abdomen subtestaceum; pedes nigro notati; alæ anticæ æneæ, sericeæ, basi margine exteriore plagaque costali albidis, lineis transversis interruptis lunulisque marginalibus nigris, orbiculari et reniformi subobsoletis; posticæ albæ, semihyalinæ, margine subæneo, lituris duabus apud angulum interiorem nigris albisque.*

Male. Hoary. Head, palpi and fore part of the thorax testaceous. Abdomen slightly testaceous. Legs with black marks. Fore wings glossy, æneous, whitish at the base and along the exterior border, and with a whitish patch on the costa at two-thirds of the length; various interrupted transverse black lines, and a row of minute black marginal lunules; orbicular and reniform spots almost obsolete. Hind wings white, semihyaline, with slightly æneous borders, and with two black and white marks by the interior angle. Length of the body 5 lines; of the wings 13 lines.

a, *b*. St. Domingo. From Mr. Tweedie's collection.

ADDENDA, p. 884.

Genus CALYPTIS.

Palporum articulus 3us 2i dimidio vix longior. Abdomen alas posticas non superans. Tibiæ posticæ calcaribus longis.

CALYPTIS ITER.

a. Parà. From Mr. Bates' collection.
b. Rio Janeiro. From Mr. Stevens' collection.

Fam. 5. CALPIDÆ.

Statura mediocris. Corpus sæpissime robustum, non cristatum. Proboscis mediocris. Palpi sæpissime longi; articulus 2us robustus, pilosus; 3us brevis, nonnunquam longus. Antennæ acuminatæ. Abdomen alas posticas vix superans. Tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ. *Mas.*—Antennæ dimidio basali sæpe pectinato.

Calpidi, *Guen. Ann. Soc. Ent. Fr.* x. 69; *Boisd.*; *Dup.*
Calpidæ, *Guen. Noct.* ii. 361.

Size moderate. Body generally stout, not crested. Proboscis moderately long. Palpi generally long, ascending; second joint robust, pilose; third short, occasionally long. Antennæ acuminated. Abdomen hardly extending beyond the hind wings. Legs generally stout; hind tibiæ with long spurs. Fore wings moderately broad; interior border excavated, and more or less dentate.

A. Abdomen non cæruleum.
  A. Alæ anticæ plus minusve metallicæ.
    a. Corpus crassum.
      a. Abdomen alas posticas dimidio non superans.
        i. Alæ anticæ margine interiore excavato.
                1. Oræsia, *Guen.*
        ii. Alæ anticæ margine interiore non excavato.
          * Alæ anticæ longæ.
          ** Alæ anticæ non longæ. - 6. Clitis, *Walk.*
      b. Abdomen alas posticas dimidio superans.
                4. Hapygia, *Guen.*
    b. Corpus gracile.
      a. Palpi ascendentes. - - - - 8. Deva, *Walk.*
      b. Palpi porrecti. - - - - 9. Gadera, *Walk.*
  B. Alæ anticæ non metallicæ.
    a. Alæ anticæ non longæ.
      a. Alæ anticæ margine exteriore integro.
        i. Palpi longi.
      b. Alæ anticæ margine exteriore denticulato.
                3. Calpe, *Treit.*
      c. Alæ anticæ longæ. - - - 5. Diamuna, *Walk.*
          * Palporum articulus 3us brevissimus.
                2. Gonodonta, *Hübn.*
        ** Palporum articulus 3us longus. 10. Devena, *Walk.*
        ii. Palpi breves. - - - - 11. Ecregma, *Walk.*
B. Abdomen cæruleum. - - - - 7. Ferenta, *Walk.*

Genus 1. ORÆSIA.

Corpus robustum. Proboscis mediocriter longa. Palpi longi, pilosi, porrecti, crassi; articulus 3us brevissimus. Antennæ corporis dimidio non longiores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice acuminatæ, margine exteriore angulato antice non obliquo, interiore excavato et dentato. *Mas.*—Antennæ dimidio basali pectinato.

Oræsia, *Guen. Noct.* ii. 362.

Body stout. Proboscis moderately long. Palpi long, pilose, porrect, very stout; third joint very short. Antennæ not more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Fore wings moderately broad, straight in front, acuminated at the tips; exterior border angular, its fore part not oblique; interior border excavated and dentated. *Male.*—Antennæ slightly pectinated to beyond half the length.

West Indies.

1. ORÆSIA EXCITANS.

Mas et fœm. *Purpureo-fusca, nonnunquam pallida; caput et thorax anticus ochracea; thorax nigro fasciatus; abdomen albidum; alæ anticæ reniformis margine lineisque transversis obliquis undulatis nigricantibus, fascia interiore auratæ abbreviata, exteriore antice interrupta dentem versus exteriorem dilatata, gutta discali nigricante; posticæ albæ, æneo marginatæ.*

Male and female. Purplish brown, dark or pale. Head and fore part of the thorax orange. Thorax with a transverse blackish line. Abdomen whitish. Fore wings with the transverse oblique undulating lines and the border of the reniform spot blackish; the two usual gilded bands; the inner one on the interior tooth shortened in front; the outer one dilated towards the exterior tooth, much interrupted in front; discal dot blackish. Hind wings white, with æneous borders. Length of the body 6 lines; of the wings 14 lines.

a, *b*. St. Domingo. From Mr. Stevens' collection.
c—*e*. St. Domingo. From Mr. Tweedie's collection.

2. Oræsia honesta.

Mas. *Rufo-cinerea; antennæ simplices; caput et thorax anticus ochracea; thorax fusco fasciatus; abdomen æneo-canum; alæ anticæ lineis transversis undulatis indistinctis obliquis nigricantibus, lineis exteriore et submarginali sat distinctis cano marginatis, fascia interiore aurata antice subobsoleta, exteriore interrupta postice dilatata, reniformi fusco marginata; posticæ albæ, æneo late marginatæ.*

Male. Reddish cinereous. Antennæ simple. Head and fore part of the thorax orange; a slender brown intermediate band. Abdomen hoary, with a slight æneous tinge. Fore wings with indistinct undulating oblique transverse blackish lines; exterior line and submarginal line more distinct, each of them bordered by a hoary line, and connected with a gilded band; the interior band rests on the interior tooth, and is almost obsolete in front; the exterior band is interrupted in the middle and dilated towards the exterior tooth; reniform spot distinguished by its brown outline. Hind wings white, with broad æneous borders. Length of the body 7 lines; of the wings 16 lines.

This species may be distinguished from *O. emarginata* by the more decided angle on the exterior border of the fore wings, and by the fore side of this angle, which is not oblique.

a. St. Domingo. From Mr. Tweedie's collection.
b—d. ——— ? From Mr. Milne's collection.

Africa.

3. Oræsia provocans.

Mas. *Purpureo-fusca; capitis latera et thoracis margo anticus ochracea; abdomen æneo-fuscum; alæ anticæ purpureo-rufæ, lineis obliquis undulatis transversis nigricantibus, fasciis duabus latis auratis, linea submarginali subrecta et striga cinerea antica connexis, striga subapicali argentea; posticæ cupreo-fuscæ, ciliis pallidis.* Fœm. — *Alæ anticæ minus auratæ, strigis duabus argenteis, una discali, altera submarginali.*

Purplish brown. Sides of the vertex and fore border of the thorax orange. Abdomen æneous-brown. Fore wings purplish red, with oblique undulating transverse indistinct blackish lines;

two broad gilded bands, the first extending from the interior angle to the disk, and there joining the second, which extends between the submarginal line and the exterior border, and is dilated hindward; submarginal line nearly straight, almost obsolete hindward, bordered in front on the inner side by a cinereous streak; a minute silvery subapical streak; apical angle more hooked than that of *O. emarginata*. Hind wings cupreous-brown, with pale ciliæ. *Female.*—Like the male, but with the gilded hue less prevalent; subapical streak more distinct; a bright silvery streak in the disk, and another along the fore part of the exterior border. Length of the body 8 lines; of the wings 16—18 lines.

a—c. Port Natal. From Mr. Plant's collection.
d. Port Natal. From M. Gueinzius' collection.
e. Silhet. From Mr. Stainforth's collection.
f, g. ——— ? From Mr. Milne's collection.

Asia.

4. Oræsia emarginata.

Ferruginea; caput et thorax anticus lutea; abdomen cinereum; alæ anticæ lineis duabus obliquis posticis subroseis, antice subroseæ ferrugineo variæ, vitta intermedia flexa nigro-cinerea lineis duabus albis conjuncta, margine exteriore subroseo antice ferrugineo-strigato, fascia submarginali postice dilatata cuprea; posticæ æneo-cinereæ, margine lato æneo-fusco; ciliis albidis.

Noctua emarginata, *Fabr. Ent. Syst.* iii. 2, 240.
Oræsia emarginata, *Guen. Noct.* ii. 363, 1203.

a, b. Silhet. From the Rev. J. Stainforth's collection.
c—e. North India. From Mr. Stevens' collection.
f. Ceylon. Presented by R. Templeton, Esq.
g. Punjaub. Presented by General Hearsay.

5. Oræsia rectistria.

Ferruginea; caput et thorax anticus lutea; antennæ maris *pectinatæ; abdomen et alæ posticæ testaceo-albida; alæ anticæ cupreo-subroseæ, lineis obliquis undulatis ferrugineis, striga interiore punctoque discali nigris, fascia submarginali cuprea postice dilatata intus nigro et ex parte albo marginata.*

Oræsia rectistria, *Guen. Noct.* ii. 363, 1204.

a. Silhet. From Mr. Stainforth's collection.

6. ORÆSIA ALLICIENS.

Mas. *Pallide cervina, subtus albida; antennæ pectinatæ; caput et thorax anticus ochracea; abdomen albido-testaceum; alæ anticæ maculæ reniformis margine lineisque transversis obliquis undulatis obscurioribus, lineis duabus exterioribus rectis magis conspicuis strigam albidam includentibus, fascia submarginali strigaque marginali auratis, puncto discali nigricante; posticæ testaceo-albidæ, æneo submarginatæ.*

Male. Pale fawn-colour, whitish beneath. Antennæ pectinated. Head and fore part of the thorax orange. Abdomen whitish testaceous. Fore wings with the border of the reniform spot, and the transverse oblique undulating lines somewhat darker; two darker and more distinct straight lines, which are near together, but slightly diverging from near the tip of the wing to the inner side of the exterior tooth; these lines contain a whitish streak, and beyond them lies the gilded band, which is broad hindward, narrow in front, where it is accompanied by a gilded streak along the fore side of the exterior border; a blackish discal point. Hind wings testaceous-white, with somewhat æneous borders. Length of the body 6—7 lines of the wings 14—16 lines.

a. North India. Presented by General Hearsay.
b. China. Presented by G. T. Lay, Esq.
c, d. ——— ? From Mr. Milne's collection.

7. ORÆSIA TENTANS.

Fœm. *Purpureo-fusca, subtus pallida; caput et thorax anticus ochracea; thorax nigro fasciatus; abdomen cinereum; alæ anticæ purpurascentes, lineis transversis obliquis undulatis ferrugineis indistinctis, fascia aurata interiore brevi tenui, exteriore antice attenuata nigro marginata postice dilatata strigam latam discum versus emittente, striga marginali aurata, vitta cinerea punctoque nigro discalibus; posticæ æneo-fuscæ, basi cinereæ, ciliis albidis angustis.*

Female. Purplish brown, pale beneath. Head and fore part of the thorax orange, which hue is bounded on the thorax by a transverse blackish line. Abdomen cinereous. Fore wings purplish; transverse oblique undulating lines ferruginous, indistinct; interior gilded band short and slight; exterior one attenuated and with a black border in front, where it is accompanied by a

gilded marginal streak, dilated hindward, and emitting a broad inward streak, which joins a cinereous discal stripe; the latter has a black point on its fore border. Hind wings æneous-brown, cinereous towards the base; ciliæ whitish, narrow. Length of the body 7 lines; of the wings 16 lines.

a. North India. From Mr. Stevens' collection.

Country unknown.

8. Oræsia metallescens.

O. emarginatæ *affinis; alæ anticæ violaceo-cinereæ, nitentes, lineis transversis distinctis, fasciis duabus auratis; posticæ cinereæ.*

Oræsia metallescens, *Guen. Noct.* ii. 364, 1205.

Genus 2. GONODONTA.

Corpus crassum, pilosum. Proboscis mediocriter longa. Palpi pilosi, ascendentes, crassi, subarcuati; articulus 3us brevissimus. Antennæ validæ, simplices, corporis dimidio multo longiores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice acuminatæ, margine exteriore integro subconvexo mediocriter obliquo, interiore excavato et dentato.

Gonodonta, p., et Athyania, *Hübn. Verz. Schmett.* 263.
Gonodonta, *Guen. Noct.* ii. 364.

Body stout, pilose. Proboscis moderately long. Palpi pilose, ascending, very stout, slightly curved; third joint very short. Antennæ stout, simple, much more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Fore wings moderately broad, straight in front, acuminated at the tips; exterior border entire, slightly convex, moderately oblique; interior border excavated and dentated.

Mexico.

1. Gonodonta teretimacula.

Fusca; caput album; thorax antice fulvus; abdomen nigrum, apice albo-flavum; alæ anticæ aurato-flavæ, plaga apud dentem interiorem spatioque marginali purpurascente-ferrugineis, illa lineam angulosam includente, linea submarginali subrecta; posticæ nigricantes, macula discali indeterminata fulva.

Gonodonta teretimacula, *Guen. Noct.* ii. 367, 1211.

Mexico. Colombia. Guiana. Guadeloupe.

2. Gonodonta correcta.

Fœm. *Nigro-fusca, subtus testacea; caput ferrugineum, albo varium; palpi ferruginei, intus albi; thorax chalybeo conspersus; abdomen subtus luteum; alæ anticæ spadiceæ, apud margines purpureo tinctæ, fasciis duabus, una basali, altera exteriore angulosa lineaque aurata conjunctis, macula ocellari apud angulum interiorem aureo nigroque varia cyaneo conspersa, strigis posticis cyaneis, guttis submarginalibus ferrugineis, puncto discali nigro; posticæ luteæ, margine lato nigro-cupreo.*

Female. Blackish brown, testaceous beneath. Head pale ferruginous, and marked with white. Palpi ferruginous, white on the inner side. Thorax sprinkled with chalybeous. Abdomen luteous beneath. Fore wings chestnut-colour, tinged with purple hindward and along the exterior border; the latter hue interrupted by two bands, the one near the base, the other exterior and zigzag, and accompanied by an incomplete pale gilded line, the two expanded by the interior angle into an ocellated mark, which is varied with black and gilt, and sprinkled with blue; some blue streaks along the interior border, and a row of ferruginous submarginal dots; a minute black discal dot, as is usual in this genus. Hind wings luteous, with broad cupreous black borders; ciliæ luteous. Length of the body 9½ lines; of the wings 20 lines.

a. Mexico. Presented by E. Doubleday, Esq.

West Indies.

A. Abdomen non luteum.
  A. Caput album.
    a. Alæ anticæ cæruleo variæ.
      a. Alæ anticæ luteo notatæ. - - nitidimacula, *Guen.*
      b. Alæ anticæ non luteo notatæ. - - Clotilda, *Stoll.*
    b. Alæ anticæ non cæruleo variæ. - - Soror, *Cram.*
  B. Caput non album. - - - - - bidens, *Geyer.*
B. Abdomen luteum.
  A. Palpi albi. - - - - - - Nutrix, *Cram.*
  B. Palpi non albi. - - - - - - Sicheas, *Cram.*

3. Gonodonta nitidimacula.

Rufo-ferruginea, subtus albida; caput album; palpi intus et apice albi; thorax cyaneo conspersus; abdomen fusco-cervinum; alæ anticæ spadiceo-rufescentes, cyaneo conspersæ basi ferrugineæ, fascia interiore pallide cervina extus angulosa ferrugineoque marginata, macula discali punctum nigrum includente lituramque apud angulum interiorem subluteis, fascia exteriore ferruginea lineam cyaneam includente albidoque extus ex parte marginata, margine exteriore purpurascente; posticæ nigro-cupreæ, plaga elongata discali lutea, ciliis pallidis.

Gonodonta nitidimacula, *Guen. Noct.* ii. 368, 1213.

a, b. Isle St. Thomas. Presented by Dr. Hornbeck.

4. Gonodonta Soror.

Nigro-rubra, subtus alba; caput palpique apice alba; abdomen nigro-cupreum; alæ anticæ ferrugineæ, plaga elongata; postica obscuriore, linea exteriore angulosa lutescente, ciliis cinereis; posticæ nigro-cupreæ, plaga transversa discali lutea.

Gonodonta Soror, *Guen. Noct.* ii. 368, 1215.
Phalæna Soror, *Cram. Pap. Exot.* iii. 150, pl. 276, f. B.

Surinam.

a, b. St. Domingo. From Mr. Tweedie's collection.
c. Villa Nova. From Mr. Bates' collection.
d. ——— ? From Mr. Milne's collection.

5. Gonodonta bidens.

Mas. *Cervina; alæ anticæ ferruginosæ nigro variæ, triente fere basali cervina, quadrante apicali roseo, macula apud angulum posticum alba; posticæ flavæ, nigro latissime marginatæ, guttis marginalibus flavis.*

Gonodonta bidens (Noctua semigeometra, Meropis festiva), *Geyer, Zutr. Samml. Exot. Schmett.* 24, 348, f. 695, 696. *Guen. Noct.* ii. 369, 1216.

Cuba.

6. Gonodonta Clotilda.

Ochraceo-ferruginea, subtus albida; caput palpique apice albida; abdomen nigro-cinereum; alæ anticæ apud marginem obscuriores, lineolis costalibus unaque postica cæruleo-albis, dente apud marginem interiorem ochraceo, ciliis canescentibus; posticæ nigricantes, plaga transversa discali lutea, ciliis canis.

Phalæna-Noctua Clotilda, *Stoll. Cram. Pap. Exot.* v. 153, pl. 34, f. 4. *Guen. Noct.* ii. 369, 1217.

Surinam. Berbice.

a. Villa Nova. From Mr. Bates' collection.
b. Ega. From Mr. Bates' collection.

7. Gonodonta Nutrix.

Albido-fuscescens, subtus alba; palpi albi; abdomen luteum; alæ anticæ spadiceæ, apud marginem exteriorem purpurascentes fusco variæ, linea exteriore obliqua angulosa testacea cyaneo submarginata, costa flavo-alba basi fusca; posticæ luteæ cupreo late marginatæ, ciliis testaceis.

Phalæna-Noctua Nutrix, *Cram. Pap. Exot.* iv. 46, pl. 312, f. B; v. 92, pl. 18, f. 8.

Gonodonta Nutrix, *Hübn. Verz. Schmett.* 263, 2589. *Guen. Noct.* ii. 370, 1220.

Surinam. Cayenne. Haïti.

a. Jamaica.
b. ——— ? From Mr. Milne's collection.

8. Gonodonta Sicheas.

Cervina, subtus testacea; palpi subtus ochracei; thorax iridescens; abdomen luteum; alæ anticæ nigro-cupreæ, extus fusco-cupreæ, basi ferrugineo-cervinæ linea obliqua albido-rosea, fasciis duabus exterioribus angustis ferrugineis, lineis duabus exterioribus guttularibus nigricantibus, costa pallide subrosea; posticæ luteæ, nigro-cupreo latissime marginatæ.

Phalæna-Noctua Sicheas, *Cram. Pap. Exot.* ii. 86, pl. 150, f. E.
Gonodonta Sicheas, *Hübn. Verz. Schmett.* 263, 2588. *Guen. Noct.* ii. 372, 1225.

a, *b*. St. Domingo. From Mr. Tweedie's collection.
c. Brazil. From Mr. Argent's collection.
d—*f*. Venezuela. From Mr. Dyson's collection.
g. Brazil. From Mr. Stevens' collection.
h. Villa Nova. From Mr. Bates' collection.
i. Santarem. From Mr. Bates' collection.

South America.

A. Abdomen non luteum.
  A. Caput non album aut flavescens.
    a. Alæ anticæ angulo postico non luteo.
      a. Alæ posticæ non luteo notatæ.
        i. Alæ anticæ linea alba. - - separans, *Walk.*
        ii. Alæ anticæ linea nulla alba. - - æqualis, *Walk.*
      b. Alæ posticæ luteo binotatæ. - - - Uxoria, *Cram.*
      c. Alæ posticæ luteæ marginatæ - - evadens, *Walk.*
    b. Alæ anticæ angulo postico luteo.
      a. Alæ posticæ non luteo notatæ. - Choninea, *Cram.*
      b. Alæ posticæ luteo notatæ. - - fulvangula, *Geyer.*
  B. Caput album aut flavescens.
    a. Alæ posticæ non luteo notatæ.
      a. Alæ anticæ non plagiatæ. - - immacula, *Guen.*
      b. Alæ anticæ plaga fusca. - - - parens, *Guen.*
    b. Alæ posticæ plaga lutea.
      a. Alæ anticæ costa pallida. - - - Pyrgo, *Cram.*
      b. Alæ anticæ costa obscura. - - - Maria, *Guen.*
    c. Alæ posticæ luteæ, plaga nigra. - - Syrna, *Guen.*
    d. Alæ posticæ luteæ, margine obscuro.
      a. Thorax luteus. - - - - Hesione, *Drury.*

b. Thorax obscurus.
i. Thorax antice pallidus.
* Alæ anticæ pallidæ. - - latimacula, *Guen.*
** Alæ anticæ obscuræ. - - Lincus, *Cram.*
ii. Thorax antice obscurus.
* Alæ anticæ non viridescentes.
† Alæ anticæ lineis nullis testaceis. Sinaldus, *Guen.*
†† Alæ anticæ lineis testaceis. holosericea, *Guen.*
** Alæ anticæ viridescentes. - biarmata, *Guen.*

9. Gonodonta immacula.

Fusca, subtus albida ; caput palpique intus et apice alba ; thorax cyaneo conspersus ; abdomen æneo-fuscum ; alæ anticæ lineis transversis undulatis obscurioribus unaque pallidiore, linea submarginali angulosa, punctis duobus nigris, uno discali, altero exteriore submarginali ; posticæ nigro-cupreæ.

Gonodonta immacula, *Guen. Noct.* ii. 365, 1206.

Cayenne. Brazil.

a. Honduras. From Mr. Dyson's collection.

10. Gonodonta Choninea.

Ochraceo-ferruginea, subtus testacea ; abdomen fusco-cinereum ; alæ anticæ ferrugineæ, apud marginem exteriorem nigro-fuscæ, lineis quinque transversis cinereis, puncto discali nigro, dente apud marginem interiorem ochraceo ; posticæ nigricantes.

Phalæna-Noctua Choninea, *Cram. Pap. Exot.* iv. 42, pl. 310, f. F.

Athysania Chorinea, *Hiibn. Verz. Schmett.* 263, 2584.

Gonodonta Choninea, *Guen. Noct.* ii. 366, 1207.

Surinam.

a. Villa Nova. From Mr. Bates' collection.

b. Ega. From Mr. Bates' collection.

11. Gonodonta parens.

Mas. *Rufescente-cinerea, flavescente-fusco varia; caput et palpi pallide flava; abdomen nigricans; alæ anticæ plaga discali saturate fusca, linea exteriore undulata cæruleo-alba, reniformi e lineola flavescente, strigis contiguis marginalibus rufo-fuscis, ciliis latis violaceo-cinereis; posticæ nigricantes.*

Gonodonta parens, *Guen. Noct.* ii. 366, 1208.

Guadeloupe.

12. Gonodonta Lincus.

Var. *Nigro-rubra, subtus testacea; caput palpique apice flavescente-alba, illius vertex luteus; thorax antice ochraceus; abdomen nigro-cinereum, lateribus luteis; alæ anticæ ferrugineæ, apud marginem exteriorem rufescentes, lineis septem transversis cinereis, disco pallide flavescente, puncto discali nigro; posticæ luteæ, margine lato nigro.*

Phalæna-Noctua Lincus, *Cram. Pap. Exot.* i. 79, pl. 50, f. H.

Bombyx Lincus, *Fabr. Ent. Syst.* iii. 1, 456, 152. *Oliv. Enc. Méth.* v. 189.

Gonodonta Lincus, *Hübn. Verz. Schmett.* 263, 2586. *Guen. Noct.* ii. 366, 1209, 51, 111.

a. Brazil. From Mr. Stevens' collection.

13. Gonodonta fulvangula.

Mas. *Ferruginea; abdomen fuscum; alæ anticæ strigulis anticis et discalibus lineaque basali albis, apice subpurpurascentes, angulo postico luteo; posticæ nigræ, fascia media lutea antice dilatata postice abbreviata.*

Gonodonta fulvangula (Noctua semigeometra, Meropis festiva), *Geyer, Zutr. Samml. Exot. Schmett.* 32, 369, f. 737, 738. *Guen. Noct.* ii. 367, 1210.

Monte Video.

14. GONODONTA LATIMACULA.

Fusca; caput album; thorax antice fulvus; abdomen nigricans; alæ anticæ flavescentes, apud discum flavo-albidæ, macula reniformi e puncto nigro, lineis septem transversis subundulatis, angulo interiore rufo-fulvo; posticæ luteæ, nigro marginatæ.

Gonodonta latimacula, *Guen. Noct.* ii. 367, 1212.

Colombia.

15. GONODONTA UXORIA.

Fusca; alæ anticæ nigræ, postice glaucescentes, basi purpureæ, linea transversa angulosa interiore, lineaque brevi subcostali cyaneis, strigis anticis transversis ferrugineis, macula discali strigaque costali subapicali punctisque marginalibus albis, linea undulata exteriore flava, plaga apud angulum interiorem lineolas undulatas fuscas includente rosea; posticæ nigræ, plaga transversa strigaque exteriore luteis.

Phalæna Uxoria, *Cram. Pap. Exot.* iii. 150, pl. 276, f. A.

Gonodonta Uxoria, *Guen. Noct.* ii. 368, 1214.

Surinam.

16. GONODONTA MARIA.

Fusca, subtus alba; caput album; abdomen nigro-cupreum; alæ anticæ nigro-ferrugineæ, cyaneo parce conspersæ, basi cervinæ, puncto discali nigro, lineis transversis undulatis exterioribus obscurioribus aut pallidioribus, litura apud angulum interiorem testacea; posticæ nigro-cupreæ, plaga discali oblonga transversa lutea.

Gonodonta Maria, *Guen. Noct.* ii. 369, 1218.

Brazil.

17. GONODONTA PYRGO.

Cinerea, subtus albida; caput flavo-album, vertice luteo; palpi ferruginei, apice flavescentes; thorax squamosus, iridescens, antice cervinus; pedes antici nigri; abdomen subcupreum, apice luteum; alæ anticæ spadiceæ, costa flavo-alba, linea exteriore obliqua undulata cyanescente-fusco maculata, guttis submarginalibus fuscis; posticæ subcupreæ, macula antica ciliisque flavescentibus.

Phalæna Pyrgo, *Cram. Pap. Exot.* ii. 65, pl. 139, f. D.
Gonodonta Serix, *Guen. Noct.* ii. 370, 1219.
Gonodonta Pyrgo, *Guen. Noct.* ii. 37, 1221.

Surinam. Colombia.

a, *b*. Venezuela. From Mr. Dyson's collection.
c. Ega. From Mr. Bates' collection.
d. Brazil. Presented by W. W. Saunders, Esq.

18. Gonodonta holosericea.

Nigro-fusca, subtus testacea; caput albidum, fusco varium; palpi nigro-fusci; thorax albo conspersus; abdomen luteum; alæ anticæ nigricantes, basi ferrugineæ, apud marginem exteriorem fuscæ purpurascente conspersæ lineis transversis undulatis testaceis, costa alba luteo marginata, macula apud angulum interiorem rufescente-luteo et purpurascente marginata; posticæ luteæ margine latissimo subcupreo.

Gonodonta holosericea, *Guen. Noct.* ii. 371, 1222.

Colombia.

a. Venezuela. From Mr. Dyson's collection.

19. Gonodonta Hesione.

Lutea; alæ anticæ fuscæ linea transversa arcuata subbasali strigaque clavata postica albis; posticæ nigro late marginatæ.

Phalæna Hesione, *Drury, Ins.* iii. 29, pl. 22, f. 2.
Gonodonta uncina (Noctua semigeometra, Meropis festiva), *Hübn. Samml. Exot. Schmett.* i. 11, 18, f. 35, 36; *Verz. Schmett.* 263, 2587.
Gonodonta Hesione, *Guen. Noct.* ii. 372, 1224.

Brazil. Colombia.

20. Gonodonta Sinaldus.

Cana, subtus albido-testacea; thorax purpurascente conspersus, fusco subfasciatus; abdomen luteum; alæ anticæ nigro-cupreæ, basi cervinæ, costa margine exteriore lato plagaque postica albidis, punctis marginalibus fuscis; posticæ luteæ, fusco late marginatæ.

Gonodonta Sinaldus, *Guen. Noct.* ii. 372, 1226.

Colombia.

a, *b*. Venezuela. From Mr. Dyson's collection.

21. GONODONTA SYRNA.

Mas. *Olivaceo-cinerea; abdomen luteum; alæ anticæ saturate fuscæ, basi olivaceo-fuscæ, dente interiore nullo, linea submarginali recta, spatio marginali purpurascente-cinereo punctis pallidioribus, linea costali alba basi recurva; posticæ luteæ, plaga trigona nigra.*

Gonodonta Syrna, *Guen. Noct.* ii. 371, 1223.

Cayenne.

22. GONODONTA BIARMATA.

Olivacea; abdomen luteum; alæ anticæ olivaceo-virides, spatio marginali pallidiore, linea submarginali recta, inter lineas duas denticulatas indistinctas, arcu punctoque anticis cinereis, reniformi e punctis duobus nigricantibus, linea costali flavescente-alba basi recurva; posticæ aurato-flavæ, nigro marginatæ.

Gonodonta biarmata, *Guen. Noct.* ii. 373, 1227.

Brazil.

23. GONODONTA EVADENS.

Fœm. *Fusco-cinerea, subtus testacea; palpi subtus pedesque anteriores obscure fusci; thorax iridescens; alæ anticæ fuscæ, apud marginem exteriorem purpurascentes, linea obliqua basali albida, costa albida nigro uniguttata, linea postica purpurascente, reniformi ex parte nigro marginata, linea exteriore angulosa obscure fusca pallido marginata, lineis duabus conjunctis (una recta, altera angulosa) pallidis, strigis nigris lineaque angulosa fusca submarginalibus; posticæ pallide luteæ, margine lato diffuso cupreo-fusco.*

Female. Brownish cinereous, testaceous beneath. Palpi dark brown beneath. Thorax iridescent. Abdomen paler than the thorax. Anterior legs dark brown. Fore wings brown, purplish along the exterior border, with an oblique transverse basal whitish line; costa whitish, except at the base, near which it contains a black dot, and joins the line before mentioned; a purplish line

along the interior border near the interior tooth, which is very large; the other tooth much smaller; reniform spot distinguished by its partly blackish outline; at some distance beyond it there is a dark brown pale-bordered zigzag line, and beyond the latter two combined pale lines, the one straight, the other zigzag; a row of black streaks between these lines and a zigzag brown line, which is near the exterior border. Hind wings pale luteous, with broad diffuse cupreous-brown borders. Length of the body 8½ lines; of the wings 20 lines.

a, *b*. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

24. Gonodonta æqualis.

Mas. *Fusca, subtus cinerea; caput supra nigricans; alæ anticæ subcupreæ, apud margines exteriorem et interiorem subpurpurascentes, lineis nonnullis transversis undulatis indistinctis obscurioribus duabusque sat conspicuis, exteriore lineaque pallida abbreviata conjunctis, linea submarginali angulosa, punctis duobus (uno discali, altero marginali) nigris; posticæ cupreo-fuscæ.*

Male. Brown, cinereous beneath. Head blackish above. Abdomen cinereous-æneous. Fore wings with a slight cupreous tinge, on which about the exterior border and along the interior border there is a slight purplish tinge; some indistinct undulating transverre darker lines, two more conspicuous than the others, and enclosing about a third of the surface of the wing between them, the exterior one accompanied by an abbreviated pale line; submarginal line zigzag; a black point in the disk, and another on the exterior border near the interior angle, about which the wing is more cupreous than it is elsewhere. Hind wings cupreous-brown. Length of the body 7 lines; of the wings 16 lines.

a. Santarem. From Mr. Bates' collection.

25. Gonodonta separans.

Fœm. *Cinerea; abdomen æneo-fuscum; alæ anticæ fuscæ, apud marginem exteriorem subpurpurascentes, linea basali obliqua rufa albo nitente marginata, litura postica albo nitente rufo notata, costa cinerea subpurpurascente, linea recta alba, macula discali guttisque submarginalibus et marginalibus nigris; posticæ æneo-fuscæ.*

Female. Cinereous. Abdomen æneous-brown. Fore wings clear brown, with an oblique red basal line, which has a shining white border, and with a shining white red-spotted mark on the excavation of the interior border; costa cinereous, with a lilac tinge, which also appears towards the tip of the wing beyond a straight and upright white line; a black discal spot; submarginal and marginal dots also black. Hind wings æneous-brown. Length of the body 7 lines; of the wings 16 lines.

a. Ega. From Mr. Bates' collection.

26. Gonodonta temperata.

Fœm. *Cervina, subtus albida; palpi intus et apice capitque alba; abdomen cupreo-fuscum, subtus testaceum; alæ anticæ linea interiore obscuriore perangulosa, lineis duabus exterioribus antice arcuatis, margine exteriore pallidiore, costa ex parte testacea; posticæ cupreo-fuscæ, quatuor subtus fuscæ, costa et posticarum macula magna discali testaceis.*

Female. Fawn-colour, whitish beneath. Head and palpi on the inner side and at the tips white. Abdomen cupreous-brown, testaceous beneath. Fore wings with a very zigzag interior darker line, and with two exterior lines, which are curved in front; exterior border paler; costa partly testaceous. Hind wings cupreous-brown. Wings beneath brown, testaceous along the costa; hind wings with a large testaceous discal spot. Length of the body 6½ lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.
b. ——— ? From Mr. Milne's collection.

27. Gonodonta velata.

Mas et fœm. *Ferruginea, subtus pallide testacea; palpi intus et apice capitque alba; abdomen cupreo-fuscum, apice testaceum subtus luteum; alæ anticæ basi pallidiores, apud marginem exteriorem purpurascente conspersæ, lineis nonnullis transversis obscuris antice arcuatis, fasciis duabus basalibus angustis obscuris perangulosis, litura costali subapicali cyanea, macula apud angulum interiorem ochracea; posticæ cupreo-fuscæ, macula parva discali indeterminata pallide lutea, subtus luteæ, margine lato cupreo.*

Male and female. Ferruginous, pale testaceous beneath. Head and palpi on the inner side and towards the tips white. Abdomen cupreous-brown, testaceous at the tip, luteous beneath. Fore wings paler towards the base, near which there are two slender dark very zigzag bands; the part towards the exterior border is sprinkled with a purplish hue, and contains several transverse dark lines, which are curved in front; a slight costal subapical blue mark, and an ochraceous spot by the interior angle. Hind wings cupreous-brown, with a small shaded pale luteous discal spot; under side luteous, with a broad cupreous border. Length of the body 7½ lines; of the wings 18 lines.

a—d. ——— ? From Mr. Milne's collection.

Genus 3. CALPE.

Corpus robustum. Proboscis mediocriter longa. Palpi porrecti, validi, subtus densissime fasciculati; articulus 3us minimus. Antennæ corporis dimidio non longiores. Abdomen alas posticas non superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ sat amplæ; anticæ apud costam rectæ, apice acuminatæ subhamatæ, margine exteriore convexo denticulato, interiore excavato dentato. *Mas.*—Antennæ pectinatæ.

Calpe, *Treit. Schmett.* ii. 168; *Boisd.*; *Dup.*; *Guen. Noct.* ii. 373.
Gonodonta, p., *Hübn. Verz. Schmett.* 263.
Calyptra, *Ochs.*; *Dup.*; *Latr.*

Body stout. Proboscis moderately long. Palpi porrect, stout, very thickly tufted beneath; third joint very minute, hidden by the hairs of the second. Antennæ not more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout, pilose; hind tibiæ with long spurs. Wings somewhat ample. Fore wings straight in front, acuminated and almost hooked at the tips; exterior border denticulated, convex, hardly oblique in front; interior border distinctly excavated and dentate. *Male.*—Antennæ pectinated.

Europe.

1. Calpe Thalictri.

Cervina; thorax lineis transversis albidis; abdomen testaceum, basi albidum; alæ anticæ lineolis transversis albidis, fasciis tribus obliquis fuscescentibus, linea obliqua ferruginea subundulata extus albido marginata; posticæ testaceæ, basim versus pallidiores.

———— ————, *Engr. Pap. d'Eur.* 258, a—c.

Bombyx capucina, *Esp. Schmett.* iii. pl. 81, f. 1.

Bombyx Thalictri, *Bork. Eur. Schmett.* iii. 425, 159. *Hübn. Eur. Schmett. Bomb.* pl. 6, f. 25; *Larv. Lep.* iii. *Bomb.* i. C, c, d, f. 1.

Gonodonta Thalictri, *Hübn. Verz. Schmett.* 263, 2585.

Calpe Thalictri, *Ochs. Schmett.* iv. 78. *Treit. Schmett.* v. 169. *Dup. Lép.* vii. 1, pl. 131, f. 2, 3. *Meig. Syst. Besch.* iii. 1, pl. 80, f. 9. *Frey. Beitr.* ii. pl. 165. *Boisd. Ind. Méth.* 156, 1256. *Guen. Noct.* ii. 374, 1229.

a—f. Europe. From M. Becker's collection.

Asia.

2. Calpe Ophideroides.

Cervina; abdomen luteum; alæ anticæ cinereo-cervinæ, transverse substrigatæ; guttis duabus discalibus nigris, linea obliqua recta exteriore ferruginea; posticæ luteæ.

Calpe Ophideroides, *Guen. Noct.* ii. 374, 1228.

a. Singapore. From Mr. Stevens' collection.
b. Landoor. Presented by Gen. Hearsay.
c. Nepaul. Presented by W. W. Saunders, Esq.

3. Calpe minuticornis.

Cinerea, subtus testacea; alæ anticæ sericeæ, strigulis transversis pallidioribus, linea obliqua fusca pallido marginata, punctis elongatis submarginalibus nigris; posticæ ciliis pallidis.

Calpe minuticornis, *Guen. Noct.* ii. 374, 1230.

Java.

Genus 4. HAPIGIA.

Corpus robustum. Proboscis valida. Palpi ascendentes, contigui; articulus 2us crassus, densissime pilosus; 3us brevis. Antennæ validæ, setoso-crenulatæ. Thorax longus. Abdomen longissimum, alas posticas dimidio superans. Alæ longissimæ; anticæ apice acuminatæ subhamatæ, margine exteriore subconvexo perobliquo, interiore non excavato nec dentato, ciliis brevissimis. *Mas.*—Antennarum articuli basales nodosi. Pedes densissime villosi.

Hapygia, *Guen. Noct.* ii. 375.

Body stout. Proboscis thick. Palpi ascending, closely applied together; second joint stout, thickly pilose; third short. Antennæ stout, setose-crenulate. Thorax long. Abdomen very long, extending for half its length beyond the hind wings. Wings very long. Fore wings acute and slightly hooked at the tips; exterior border slightly convex, very oblique; ciliæ very short; interior border not excavated nor dentate. *Male.*—Antennæ with the joints towards the base nodose. Legs most thickly clothed.

1. Hapygia nodicornis.

Purpurascente-rufa; abdomen cinereum; alæ anticæ fasciis nebulosis obscurioribus, reniformi attenuata interrupta aurato marginata, maculis submarginalibus nigricantibus, striga subapicali aurata; posticæ nigro-cinereæ, ciliis apice albidis.

Hapygia nodicornis, *Guen. Noct.* ii. 376, 1231.

Cayenne.

Genus 5. DIAMUNA.

Fœm. Corpus robustum. Palpi breves. Antennæ simplices, corporis dimidio vix longiores. Abdomen alas posticas non superans. Alæ anticæ longæ, non latæ, apud costam convexæ, apice rotundatæ, margine exteriore perobliquo, interiore vix concavo non dentato.

Female. Body stout. Palpi short. Antennæ simple, hardly more than half the length of the body. Abdomen not extending beyond the hind wings. Fore wings long, not broad, convex in front, somewhat rounded at the tips, very oblique along the exterior border; interior border hardly concave, without teeth.

1. Diamuna Severa.

Ferruginea; alæ anticæ plaga antica maxima costali obscuriore nigro late marginata; posticæ latiores, luteæ, margine lato nigro.

Phalæna Severa, *Cram. Pap. Exot.* iv. 235, pl. 398, f. L.

Surinam.

Genus 6. CLITIS.

Mas. Corpus robustum. Palpi breves, caput vix superantes. Antennæ simplices, corporis dimidio non longiores. Abdomen alas posticas vix superans. Alæ anticæ mediocriter latæ, apud costam vix convexæ, apice rotundatæ, margine exteriore perparum obliquo antice subconcavo, margine interiore non concavo nec dentato. Alæ posticæ latæ.

Male. Body stout. Palpi short, hardly extending beyond the head. Antennæ simple, not more than half the length of the body. Abdomen hardly extending beyond the hind wings. Fore wings moderately broad, hardly convex in front, rounded at the tips; exterior border very slightly oblique, slightly concave in front; interior border not excavated, nor with teeth. Hind wings broad.

1. Clitis Proserpina.

Ferruginea; alæ anticæ strigis duabus costalibus subapicalibus fasciaque marginali nigris, lineolis marginalibus glaucis; posticæ nigræ, disco luteo antice attenuato.

Phalæna-Noctua Proserpina, *Cram. Pap. Exot.* iv. 239, pl. 399, f. 1.

Surinam.

Genus 7. FERENTA.

Corpus robustum. Palpi longi, validi, porrecti, caput longe superantes. Antennæ validæ, simplices, corporis dimidio longiores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latæ; anticæ apud costam convexæ, apice subrotundatæ, margine exteriore mediocriter obliquo, margine interiore subconcavo intus subdentato.

Body stout. Palpi long, stout, porrect, extending far beyond the head. Antennæ stout, simple, more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings broad. Fore wings convex in front, somewhat rounded at the tips, moderately oblique along the exterior border; interior border slightly concave, forming a slight tooth near the base.

1. FERENTA STOLLIANA.

Ferruginea; abdomen cæruleum; alæ anticæ strigis transversis costalibus interioribus nigris et glaucis, fascia media, macula discali plaga apicali lineaque exteriore transversa undulata nigris, fascia lata exteriore carnea, strigis duabus posticis maculaque elongata marginali glaucis; posticæ cyaneæ, margine interiore cæruleo, fascia lata abbreviata lutea.

Phalæna-Noctua Stolliana, *Cram. Pap. Exot.* iv. 41, pl. 310, f. A, B.

Surinam.

Genus 8. DEVA.

Mas. Corpus gracile. Caput fasciculatum. Proboscis mediocriter longa. Palpi ascendentes; articulus 2us validus, compressus, dense fasciculatus; 3us gracilis, longus, linearis, acuminatus, 2i dimidio multo longior. Antennæ simplices, graciles, corporis dimidio longiores. Abdomen alas posticas triente superans. Pedes graciles; tibiæ posticæ calcaribus longissimis. Alæ anticæ auratæ, mediocriter latæ, apud costam rectæ, apice angulatæ, margine exteriore subangulato, interiore subexcavato.

Male. Body slender. Head tufted. Proboscis moderately long. Palpi ascending; second joint stout, compressed, thickly tufted; third long, slender, linear, acuminated, much more than half the length of the second. Antennæ simple, slender, more than half the length of the body. Abdomen extending full one-third of its length beyond the hind wings. Legs slender; hind tibiæ with very long spurs. Wings moderately broad. Fore wings gilded, straight in front, rectangular at the tips; exterior border slightly angular in the middle, fore part hardly oblique; interior border very slightly excavated, interior tooth distinct; exterior tooth obsolete.

1. DEVA STIMULANS.

Mas. *Cervina, subtus cinerea; caput et thorax anticus ochracea; abdomen cinereum; alæ anticæ ex parte ferrugineo nebulosæ, lineis transversis undulatis argenteo canis, maculis nonnullis basalibus fasciaque obliqua triramosa argenteis micantibus, hac et linea cinerea conjunctis, linea transversa guttulari nigricante, reniformi distincta, lineis duabus marginalibus argenteis; posticæ æneæ, ciliis angustis canis.*

Male. Fawn-colour, cinereous beneath. Head and fore part of the thorax ochraceous. Abdomen cinereous. Fore wings partly shaded with ferruginous, with several undulating transverse silvery hoary lines, with some bright silvery spots near the base, and with a bright silvery oblique band, which extends between the tip and the interior angle; this band is partly accompanied by a cinereous line, and emits three branches, one to the exterior part of the interior border, another to the angle of the exterior border, and a third to the costa near the tip; a transverse row of blackish dots beyond the reniform spot, which is distinct; two marginal silvery lines, the exterior one zigzag. Hind wings æneous, with hoary narrow ciliæ. Length of the body 6? lines; of the wings 13 lines.

a—d. St. Domingo. From Mr. Tweedie's collection.
e. ———? Presented by J. F. Stephens, Esq.

2. DEVA CONDUCENS.

Mas. *Cervina, subtus cinerea; abdomen subæneo-cinereum; alæ anticæ subochraceæ, ferrugineo subnebulosæ, basi liturisque costalibus argenteo-cinereis, fascia obliqua ferruginea strigisque duabus (una nigricante, altera argenteo-cinerea) connexis, maculis nonnullis ex parte fusco marginatis spatioque exteriore auratis, lunulis marginalibus argenteis; posticæ æneæ, ciliis cinereis.*

Male. Fawn-colour, cinereous beneath. Abdomen cinereous, slightly æneous. Fore wings dull ochraceous, slightly shaded with ferruginous, silvery cinereous at the base, and with some silvery cinereous marks along the costa; a ferruginous oblique band extending from near the tip of the wing to the interior tooth, accompanied by a blackish streak, which is obsolete hindward, and by a silvery cinereous streak, which is dilated hindward; several irregular

mostly brown-bordered gilded spots scattered over the wing; space between the band and the exterior border mostly gilded; a row of marginal silvery lunules. Hind wings æneous, with cinereous ciliæ. Length of the body 6 lines; of the wings 13 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. ——? Presented by J. F. Stephens, Esq.

Genus 9. GADERA.

Mas. Corpus gracile. Caput fasciculatum. Proboscis brevis. Palpi longissimi, porrecti, caput longe superantes; articulus 2us validus densissime fasciculatus; 3us gracilis, acuminatus, 2i triente non longior. Antennæ graciles, simplices, corporis dimidio non longiores. Abdomen alas posticas paullo superans. Pedes longi, graciles; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice acuminatæ, margine exteriore angulato, interiore excavato.

Male. Body slender. Head tufted in front. Proboscis short. Palpi very long, porrect, extending far beyond the head; second joint stout, most thickly tufted; third slender, acuminated, not more than one-third of the length of the second. Antennæ slender, simple, about half the length of the body. Abdomen extending a little beyond the hind wings. Legs long, slender; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, acuminated at the tips, distinctly angular on the exterior border; interior border excavated; interior angle distinct; exterior angle almost obsolete.

1. GADERA INCITANS.

Mas. *Cervina, subtus cinerea; caput et thorax anticus sublutea; thorax fusco fasciatus; abdomen cinereum; alæ anticæ subauratæ, cinereo variæ, basi aureo micantes, fascia exteriore obliqua aurea micante ferrugineo lineata et marginata postice dilatata argenteo bimaculata, orbiculari et reniformi ferrugineo marginatis; posticæ cinereo-æneæ.*

Male. Fawn-colour, pale cinereous beneath. Head and fore part of the thorax somewhat luteous, the latter with a brown band. Abdomen pale cinereous. Fore wings slightly gilded, partly and slightly tinged with cinereous, brightly gilded towards the base, and

with an exterior oblique brightly gilded band, which is much dilated hindward, has a ferruginous border and contains some ferruginous undulating lines, and on its inner side two bright silvery spots; orbicular and reniform spots with ferruginous borders. Hind wings cinereous-æneous. Length of the body 7 lines; of the wings 16 lines.

a. ———? Presented by J. F. Stephens, Esq.

2. GADERA REPELLENS.

Mas. *Cervina, subtus cinerea; vertex et abdomen cinerea; alæ anticæ cinereo-fuscæ, basi auratæ, lineis transversis ferrugineis, fascia aurata submarginali postice dilatata, orbiculari et reniformi indistinctis; posticæ cinereo-æneæ.*

Male. Fawn-colour, cinereous beneath. Vertex and abdomen cinereous. Fore wings cinereous-brown, with some irregular transverse ferruginous lines, gilded towards the base, and with an irregular submarginal gilded band, which is dilated hindward; orbicular and reniform spots indistinct. Hind wings dark cinereous-æneous. Length of the body 6 lines; of the wings 14 lines.

This species may be distinguished from *G. incitans* by its fore wings, and more especially by the much longer third joint of its palpi.

Brazil.

a. ———? Presented by E. Doubleday, Esq.

Genus 10. DEVENA.

Fœm. Corpus vix robustum. Proboscis mediocriter longa. Palpi longi, ascendentes, sat graciles; articulus 3us acuminatus, 2o vix brevior. Antennæ simplices, graciles. Abdomen alas posticas triente superans. Pedes longiusculi, sat validi; tibiæ posticæ calcaribus longissimis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice subrotundatæ, margine exteriore vix convexo non obliquo; interiore excavato dentato.

Allied to the *Pyralites*. *Female.* Body hardly stout. Proboscis moderately long. Palpi long, ascending, rather slender; third joint acuminated, almost as long as the second. Antennæ

simple, slender. Abdomen extending for about one-third of its length beyond the hind wings. Legs rather long, moderately stout; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight in front, slightly rounded at the tips; exterior border hardly convex, not oblique; interior border much excavated in the middle, with two slight teeth.

1. Devena atomifera.

Fœm. *Cinereo-fusca; alæ anticæ punctis, gutta discali lineaque obliqua recta exteriore nigris; posticæ obscuriores, ciliis cinereis.*

Female. Cinereous-brown, somewhat paler beneath. Fore wings thinly sprinkled with black points, which abound most towards the exterior angle, and by their confluence form a discal dot; a straight oblique transverse black line somewhat beyond the discal dot. Hind wings a little darker than the fore wings; ciliæ pale cinereous. Length of the body 7 lines; of the wings 18 lines.

a. ———? Presented by E. Doubleday, Esq.

Genus 11. ECREGMA.

Mas. Corpus robustum. Proboscis mediocriter longa. Caput bifasciculatum. Palpi ascendentes, breviusculi; articulus 3us minimus. Antennæ graciles, subciliatæ, corporis dimidio longiores. Abdomen alas posticas perpaullo superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ, apud costam rectæ, margine exteriore vix convexo sat obliquo, interiore perparum excavato, dentibus subobsoletis.

Male. Body stout. Proboscis moderately long. Head with a tuft on each side by the base of the antennæ. Palpi ascending, rather short; third joint very minute. Antennæ slender, very minutely ciliated, more than half the length of the body. Abdomen extending very little beyond the hind wings. Legs moderately stout; hind tibiæ with long spurs. Fore wings moderately broad, straight in front, rectangular at the tips; exterior border very slightly convex, rather oblique; interior border very slightly excavated exteriorly, the teeth almost obsolete.

This genus may possibly not belong to the *Calpidæ*.

1. ECREGMA TRANDUCTA.

Mas. *Albido-testacea; alæ anticæ lineis duabus transversis ferrugineis, 2a obliqua subarcuata, venis maculaque discali nigricantibus; posticæ albidæ, cinereo submarginatæ.*

Male. Whitish testaceous. Fore wings with two transverse ferruginous lines, the one interior, the second oblique, exterior and slightly curved; veins mostly and discal spot blackish. Hind wings whitish, with slightly cinereous borders. Length of the body 7 lines; of the wings 17 lines.

a. Venezuela. From Mr. Dyson's collection.

Fam. 6. HEMICERIDÆ.

Corpus læve, sat robustum. Proboscis mediocris. Palpi sæpissime ascendentes, caput non aut vix superantes. Antennæ longæ, ciliatæ. Thorax brevis, tegulis non remotis. Abdomen longiusculum, alas posticas sæpissime superans. Tibiæ posticæ calcaribus longis. Alæ anticæ nonnunquam subhamatæ, margine interiore sæpe excavato. *Mas.*—Antennæ sæpe pectinatæ.

Hemiceridæ, *Guen. Noct.* ii. 377.

Body smooth, moderately stout. Proboscis of moderate length. Palpi most often ascending, not or but slightly extending beyond the head. Antennæ long, ciliated. Thorax short; lappets not remote. Hind tibiæ with long spurs. Fore wings in some species slightly falcate; the interior border often excavated. *Male.*—Antennæ most often pectinated.

A. Pedes pilosi.
  A. Pedes breves. - - - - 1. CANODIA, *Guen.*
  B. Pedes non breves.
    a. Alæ anticæ apice acutæ.
      a. Antennæ *maris* basi pectinatæ. - 3. HEMICERAS, *Guen.*
      b. Antennæ *maris* fere ad apices pectinatæ.
        4. LYMPHORTA, *Walk.*
    B. Alæ anticæ apice rotundatæ. - 6. WESTERMANNIA, *Hübn.*
B. Pedes non aut vix pilosi.
  A. Antennæ pubescentes. - - 2. ARCYOPHORA, *Guen.*
  B. Antennæ non pubescentes. - - 5. ACHANTODES, *Guen.*

Genus 1. CANODIA.

Corpus robustum. Proboscis valida. Palpi brevissimi, porrecti, approximati, pubescentes, frontem non attingentes; articulus 3us indistinctus. Antennæ *maris et fœminæ* usque ad apices pectinatæ. Abdomen alas posticas triente superans. Pedes breves. Alæ anticæ integræ, mediocriter latæ, apud costam rectæ, apice acutæ subhamatæ, margine exteriore convexo sat obliquo.

Canodia, *Guen. Noct.* ii. 377.

Body robust. Proboscis stout. Palpi porrect, approximate, pubescent, very short, not extending to the front; third joint indistinct. Antennæ pectinated to the tips in both sexes. Abdomen extending for one-third of its length beyond the hind wings. Legs short. Fore wings moderately broad, straight along the costa, acute and slightly hooked at the tips; exterior border convex, very oblique along the hind part; interior border entire.

1. Canodia carmelitoides.

Fusca; thorax saturatior; alæ anticæ costam versus subauratæ, postice carneo nitentes, plaga apud angulum interiorem flavescente, linea costali, lineis tribus transversis sinuatis subparallelis et reniformis margine nigro-violaceis, puncto apud reniformem ochraceo; posticæ nigricantes, margine ciliisque subochraceis.

Canodia carmelitoides, *Guen. Noct.* ii. 378, 1232.

Brazil.

Genus 2. ARCYOPHORA.

Corpus sat robustum. Fasciculus frontalis planus. Proboscis mediocriter longa. Palpi squamosi, subascendentes, non approximati, caput vix superantes; articulus 2us fusiformis; 3us 2o non tenuior vix brevior. Antennæ pubescentes. Thorax brevis, rotundatus, tegulis magnis. Abdomen longum, subcarinatum, oblanceolatum, alas posticas paullo superans. Pedes graciles, vix pilosi. Alæ latiusculæ, integræ; antice apud costam vix convexæ, apice acutæ, margine exteriore convexo postice perobliquo, interiore vix excavato. *Mas.*—Abdominis valvæ longæ, semiconicæ, fasciculis squamosis.

Arcyophora, *Guen. Noct.* ii. 378.

Body rather stout. Front with a flat tuft. Proboscis moderately long. Palpi squamose, slightly ascending, far apart, hardly extending beyond the front; second joint fusiform; third not more slender and hardly shorter than the second, Antennæ pubescent. Thorax short, rounded, with large lappets. Abdomen long, oblanceolate, slightly keeled, extending a little beyond the hind wings. Legs slender, hardly pilose. Wings rather broad. Fore wings hardly convex along the costa, acute at the tips; exterior border convex, very oblique hindward; interior border hardly excavated. *Male.*—Valves of the abdomen long, half conical, with little squamose tufts.

1. ARCYOPHORA LONGIVALVIS.

Isabellino-flavescens: caput et prothorax castaneo-fusca; abdomen apice subcarneum; alæ anticæ strigulis plurimis transversis lineisque duabus obliquis subparallelis olivaceo-viridibus; posticæ albæ, subincarnatæ, margine saturatiore.

Arcyophora longivalvis, *Guen. Noct.* ii. 379.

Port Natal.

Genus 3. HEMICERAS.

Mas. Corpus robustum. Caput bifasciculatum. Proboscis mediocriter longa. Palpi ascendentes, breves, pilosi; articulus 3us minimus. Antennæ corporis dimidio multo longiores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo mediocriter obliquo, interiore nonnunquam excavato et bidentato. *Mas.*—Antennæ triente basali pectinatæ.

Hemiceras, *Guen. Noct.* ii. 379.

Body stout. Head with a slight tuft on each side by the antenna. Proboscis moderately long. Palpi ascending, short, pilose; third joint very minute. Antennæ much more than half the length of the body. Abdomen extending one-fourth of its length beyond the hind wings. Legs stout; hind tibiæ with long spurs. Fore wings moderately broad, quite straight in front, slightly rounded at the tips, slightly convex and moderately oblique along the exterior border; interior border in some species rather deeply excavated, with distinct teeth. *Male.*—Antennæ pectinated to one-third of the length from the base.

North America.

1. Hemiceras Cadmia.

Roseo-cinerea; prothorax et tegulæ nigricante marginata; alæ anticæ fusco conspersæ, venis saturatioribus, lineis duabus transversis apud costam valde remotis postice convergentibus fuscis; posticæ albæ, rufo-fusco apud marginem interiorem præsertim tinctæ.

Hemiceras Cadmia, *Guen. Noct.* ii. 383, 1240.

North America.

South America.

A. Alæ anticæ margine interiore excavato.
  A. Alæ anticæ margine interiore sat excavato.
    a. Alæ anticæ conspersæ. - - - sparsipennis, *Walk.*
    b. Alæ anticæ non conspersæ.
      a. Alæ anticæ pallidæ. - - - pallidula, *Guen.*
      b. Alæ anticæ obscuræ.
        i. Alæ posticæ fuscæ. - - - - Sigula, *Guen.*
        ii. Alæ posticæ flavo-albæ. - - violascens, *Guen.*
  B. Alæ anticæ margine interiore subexcavato.
    a. Alæ anticæ nigricante nebulosæ. - trinubila, *Guen.*
    b. Alæ anticæ non nigricante nebulosæ.
      a. Alæ anticæ conspersæ. - - - pulverula, *Guen.*
      b. Alæ anticæ non conspersæ.
        i. Alæ posticæ cinereæ. - - Meona, *Cram.*
        ii. Alæ posticæ non cinereæ.
          * Alæ anticæ punctis albis. - - Lotula, *Guen.*
          ** Alæ anticæ punctis nullis albis. metastigma, *Walk.*
B. Alæ anticæ margine exteriore non excavato.
  A. Alæ anticæ costa non pallidiore.
    a. Alæ anticæ linea una. - - - - linea, *Guen.*
    b. Alæ anticæ lineis duabus.
      a. Abdomen nigricante nebulosum. - Barina, *Guen.*
      b. Abdomen non nigricante nebulosum.
        i. Alæ posticæ cinereæ. - - indistans, *Guen.*
        ii. Alæ posticæ albæ. - - - leucospila, *Walk.*
  B. Alæ anticæ costa pallidiore. - - vinicosta, *Guen.*

2. HEMICERAS PALLIDULA.

Straminea; thorax violaceo-cinereus, prothoracis et tegularum marginibus saturatioribus; alæ anticæ margine exteriore perobliquo, interiore excavato, lineis duabus medianis non bene determinatis (2a subpunctiformi) maculisque vagis submarginalibus violaceo-cinereis, punctis tribus apud reniformem duabusque interioribus albis; posticæ pallide ochraceæ, carneo submarginatæ.

Hemiceras pallidula, *Guen. Noct.* ii. 301, 1234.

Brazil.

3. HEMICERAS LINEA.

Isabellina; abdomen ferrugineo-ochraceum; alæ anticæ linea recta obliqua bene determinata fusca extus fulvo marginata, margine interiore integro; posticæ ferrugineo-ochraceæ, costa ochracea.

Hemiceras linea, *Guen. Noct.* ii. 381, 1235.

Brazil.

4. HEMICERAS TRINUBILA.

Isabellina; prothorax et tegulæ nigro-violaceo marginata; alæ anticæ nigricante nebulosæ, lineis duabus transversis bene determinatis isabellino marginatis apud venas nigro punctatis, submarginali denticulata e punctis postice obsoleta, reniformi maculisque duabus approximatis nigricantibus; posticæ albidæ, venis margineque rufescentibus.

Hemiceras trinubila, *Guen. Noct.* ii. 382, 1236.

Brazil.

5. HEMICERAS LOTULA.

Pallide cervina; caput albo varium; thorax strigis duabus lateralibus nigris; abdomen testaceum; alæ anticæ nigro conspersæ, maculis quatuor discalibus, una basali lineaque obliqua exteriore nigris; posticæ albidæ, cervino marginatæ.

Hemiceras lotula, *Guen. Noct.* ii. 382, 1237.

Brazil.

6. Hemiceras pulverula.

Testaceo-cinerea; alæ anticæ sericeæ, fusco albidoque conspersæ, lineis duabus transversis apud costam remotis postice approximatis ochraceo marginatis, linea submarginali denticulata postice obsoleta, maculis duabus aut tribus discalibus vagis nigricantibus, posticæ pallidæ, macula venis margineque fuscis.

Hemiceras pulverula, *Guen. Noct.* ii. 382, 1238.
Brazil.

7. Hemiceras sparsipennis.

Mas. *Lateritia, subtus testacea; caput et thorax albo subfasciata; abdomen cinereum; alæ anticæ albo conspersæ, costa alba, guttis duabus discalibus nigris, fascia exteriore obliqua undulata nigricante; posticæ cinereæ, margine lato fuscescente, ciliis albidis.*

Male. Brick-red, testaceous beneath. Head and thorax with irregular white bands. Abdomen cinereous. Fore wings irregularly sprinkled with white; costa white; two black discal dots; an oblique exterior blackish band, whose sides are undulating and sprinkled with white. Hind wings cinereous, with broad brownish borders; ciliæ whitish. Length of the body 8 lines; of the wings 18 lines.

a—c. Parà. From Mr. Bates' collection.

8. Hemiceras indistans.

Albo-cinerea, subrosea; alæ anticæ nigro-fusco conspersæ, lineis duabus approximatis, albo-cinereo marginatis, 1a subflexuosa, 2a subarcuata, submarginali e lituris nonnullis nigricantibus, reniformi e macula vaga nigricante; posticæ cinereæ, basi flavescente-albæ, venis margineque fuscis.

Hemiceras indistans, *Guen. Noct.* ii. 383, 1239.
Brazil?

9. Hemiceras Barina.

Rosco-cinerea; abdomen nigricante nebulosum; alæ anticæ nitentes, aurato-fusco nebulosæ, lineis duabus transversis lineolam flavescente-albam includentibus, 1a obliqua recta, 2a flexa, submarginali e punctis albis, reniformi e macula vaga obscura; posticæ obscure violaceo-cinereæ, ciliis pallide flavescentibus.

Hemiceras Barina, *Guen. Noct.* ii. 383, 1241.
Brazil.

10. HEMICERAS SIGULA.

Obscure violaceo-cinerea; alæ anticæ nitentes, olivaceo-fusco nebulosæ, lineis duabus transversis indistinctis, 1a subrecta, 2a obliqua angulosa interrupta, reniformi apicem versus conspicua denticulata, macula discali vaga nigricante; posticæ fuscæ, basi pallidiores, ciliis albidis.

Hemiceras Sigula, *Guen. Noct.* ii. 384, 1242.
Brazil.

11. HEMICERAS VIOLASCENS.

H. Sigula *simillima, major, obscurior; alæ anticæ margine interiore minus excavato, dente interiore acutiore, exteriore tenuiore; posticæ flavescente-albæ, venis margineque apicali fuscescentibus.*

Hemiceras violascens, *Guen. Noct.* ii. 384, 1243.
Brazil.

12. HEMICERAS VINICOSTA.

Cinerea; fasciculus frontis et palpi apice violaceo-ferruginei; abdomen nigricans, subtus albidum; alæ anticæ sericeæ, apud margines aurato olivaceo-fuscæ, costa flavescente-cinerea rubido pulverulento lineata, linea transversa 1a obsoleta, 2a e punctis nigris; posticæ albidæ, subhyalinæ, venis margineque aurato-fuscis.

Hemiceras vinicosta, *Guen. Noct.* ii. 384, 1244.
Cayenne.

13. HEMICERAS? MEONA.

Cervina; alæ anticæ fascia latissima antice dilatata nigricante marginata et bimaculata, striga apicali maculaque apud angulum interiorem nigricantibus; posticæ cinereæ, margine venisque cervinis, macula postica cervina intus nigro marginata.

Phalæna-Noctua Meona, *Cram. Pap. Exot.* iv. 132, pl. 358, f. B; v. pl. 23, f. 7.
Hemiceras Meona, *Guen. Noct.* ii. 385, 1246.
Surinam.

14. Hemiceras metastigma.

Mas. *Cervina, subtus albida; abdomen pallide cervinum; alæ anticæ lineis duabus transversis indistinctis e guttis nigris, margine exteriore perobliquo vix convexo, interiore vix excavato; posticæ albæ, margine pallide cervino, macula postica saturatiore.*

Male. Fawn-colour, whitish beneath. Abdomen pale fawn-colour. Fore wings with two indistinct transverse lines composed of black dots; exterior border hardly convex, very oblique; interior border hardly excavated. Hind wings white, with a pale fawn-coloured border, and with a more distinct fawn-coloured mark by the interior angle. Length of the body 7 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

15. Hemiceras leucospila.

Mas. *Pallide cervina, subtus albida; antennæ basi supra nigræ subtus albæ; thorax tegulis obscurioribus; alæ anticæ lineis duabus obliquis postice approximatis cervinis, reniformi e gutta nigricante, margine interiore non excavato; posticæ albæ, venis margineque cervinis.*

Male. Pale fawn-colour, whitish beneath. Antennæ black above and white beneath at the base. Lappets of the thorax darker fawn-colour. Fore tibiæ above and fore tarsi ferruginous. Fore wings with two oblique fawn-coloured lines; the exterior one extending from the tip of the wing, and much more oblique than the interior one, which it approaches on the interior border; reniform spot represented by a blackish dot; exterior border hardly convex, very oblique; interior border not excavated. Hind wings white; veins and border fawn-colour. Length of the body 9 lines; of the wings 20 lines.

a. Santarem. From Mr. Bates' collection.

Country unknown.

16. HEMICERAS SABIS.

Cinerascens; alæ anticæ sericeæ, fascia nebulosa submarginali aurato-fusca, lineis duabus transversis denticulatis fere e punctis nigris, macula vaga discali, margine exteriore sinuato, interiore subexcavato; posticæ albæ, venis margineque apiculi aurato-fuscis.

Hemiceras Sabis, *Guen. Noct.* ii. 385, 1245.

Genus 4. WESTERMANNIA.

Corpus sat robustum. Proboscis mediocris. Palpi longi, graciles, oblique ascendentes; articulus 2us arcuatus; 3us gracilis, cylindricus, 2i dimidio non brevior. Antennæ graciles, simplices, corporis dimidio longiores. Thorax dense vestitus, pilis squamosis arcte applicatis. Abdomen oblanceolatum, alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longissimis. Alæ anticæ nitentes, sat latæ, margine exteriore subconvexo, interiore vix excavato.

Westermannia, *Hübn. Verz. Schmett.* 250.
Piusiodes, *Guen. Noct.* ii. 385.

Body moderately stout. Proboscis moderately long. Palpi long, slender, obliquely ascending; second joint curved; third slender, cylindrical, full half the length of the second. Antennæ slender, simple, rather more than half the length of the body. Thorax thickly clothed; hairs squamose, closely applied. Abdomen oblanceolate, hardly extending beyond the hind wings. Legs moderately stout; hind tibiæ with very long spurs. Fore wings shining, moderately broad, straight in front, rounded at the tips, slightly convex and moderately oblique along the exterior border; interior border hardly excavated.

1. WESTERMANNIA SUPERBA.

Testacea; caput album; alæ anticæ argenteo-albidæ, maculis tribus discalibus contiguis albo marginatis margineque lato exteriore aurato-cervinis, margine interiore testaceo; posticæ purpureo subauratæ, ciliis pallidis.

Westermannia superba (Noctua semigeometra, Plusia inscripta), *Hübn. Samml. Exot. Schmett.* ii. 23, 162, f. 323, 324; *Verz. Schmett.* 250, 2470.

Plusiodes Westermannii, *Guen. Noct.* ii. 386, 1247.

Java.

a. Ceylon. Presented by R. Templeton, Esq.
b, *c*. Hindostan. From Mr. Milne's collection.

Genus 5. ACHANTODES.

Corpus vix robustum. Proboscis mediocriter longa. Palpi ascendentes, caput paullo superantes; articulus 2us subarcuatus; 3us longi-conicus, 2i dimidio brevior. Antennæ simplices, subcompressæ, corporis dimidio non longiores. Thorax squamosus. Abdomen alas posticas non superans. Pedes graciles, non pilosi; tibiæ posticæ calcaribus longissimis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice acutæ et falcatæ, margine exteriore valde convexo.

Achantodes, *Guen. Noct.* ii. 387, 1248.

Body hardly stout. Proboscis of moderate length. Palpi ascending a little above the head; second joint slightly curved; third elongate-conical, less than half the length of the second. Antennæ simple, slightly compressed, not more than half the length of the body. Thorax squamose. Abdomen not extending beyond the hind wings. Legs slender, not pilose; hind tibiæ with extremely long spurs. Wings moderately broad. Fore wings straight in front, acute and falcate at the tips; exterior border very convex, its hind part moderately oblique.

This genus should be removed to the *Pyralites*.

1. Achantodes cerusicosta.

Pallide cervina, subtus alba; abdominis segmenta marginibus posticis albis, quatuor apud discum nigris; alæ anticæ sericeæ, costa argenteo-alba, lineis duabus transversis angulosis lunulaque intermedia nigricantibus, punctis marginalibus nigris; posticæ albæ, margine apicem versus cervino, guttis duabus marginalibus nigricantibus.

Achantodes cerusicosta, *Guen. Noct.* ii. 387, 1248.

Colombia.

a, *b*. Venezuela. From Mr. Dyson's collection.

Genus 6. LYMPHORTA.

Mas. Corpus vix validum. Proboscis breviuscula. Palpi compressi, oblique ascendentes; articulus 2us pilosus; 3us cylindricus, 2i triente non longior. Antennæ pectinatæ, corporis dimidio longiores, apices versus simplices. Abdomen alas posticas paullo superans. Pedes vix robusti; tibiæ late ciliatæ, posticæ calcaribus longissimis. Alæ sat angustæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore valde obliquo.

Male. Body hardly stout. Proboscis rather short. Palpi compressed, obliquely ascending to a little higher than the vertex; second joint stout, pilose; third slender, cylindrical, not more than one-third of the length of the second. Antennæ pectinated to three-fourths of the length, much more than half the length of the body. Abdomen extending to one-third of its length beyond the hind wings. Legs somewhat slender; tibiæ broadly fringed; hind tibiæ with very long spurs. Fore wings rather narrow, straight along the costa, somewhat rounded at the tips, very oblique along the exterior border.

This genus has some affinities with the *Pyralites*.

1. LYMPHORTA UNILINEA.

Male. *Pallidissime cervina, subtus cervino-albida; abdomen æneo nitens; alæ fusco subconspersæ, linea una obliqua recta fusca, punctis marginalibus nigris; posticæ intus cervino-albidæ, subtus gutta discali fusca.*

Male. Very pale fawn-colour, beneath whitish, with a slight tinge of fawn-colour. Abdomen paler than the thorax, with a slight æneous tinge. Wings minutely speckled with brown, adorned with a straight oblique brown line; a row of indistinct very minute brown streaks on the veins, nearly parallel to the line and to the black-dotted exterior border. Hind wings much paler within the line; under side with a brown discal dot. Length of the body 5½ lines; of the wings 12 lines.

Valley of the Amazon. In Mr. Saunders' collection.

Fam. 7. HYBLÆIDÆ.

Structura varia. Proboscis tenuis. Palpi porrecti, lati, compressi, rostrum fingentes. Caput longe superantes. Antennæ graciles, simplices. Thorax squamosus. Abdomen alas posticas non aut vix superans. Pedes calcaribus longis. Alæ integræ, latiusculæ aut sat latæ, non angulatæ.

Hyblæidæ, *Guen. Noct.* ii. 388.

Structure various. Proboscis slight. Palpi porrect, extending far beyond the head; second joint broad, compressed. Antennæ simple, slender. Thorax with squamose hairs. Abdomen not or hardly extending beyond the hind wings. Tibiæ with long spurs. Wings generally rather broad, not excavated nor angular.

A. Antennæ medio dilatatæ. - - - 1. PHYCODES, *Guen.*
B. Antennæ non dilatatæ.
A. Pedes pilosi. - - - - - 2. HYBLÆA, *Guen.*
B. Pedes non pilosi. - - - - 3. NOLASENA, *Walk.*

Genus 1. PHYCODES.

Corpus robustum. Proboscis gracilis, breviuscula. Palpi caput non superantes; articulus 3us parvus, linearis, 2i dimidio brevior. Antennæ compressæ, apud medium subdilatatæ; corporis dimidio paullo longiores, articulis arcte applicatis. Thorax lævis, pilis squamosis arcte applicatis. Abdomen depressum, latiusculum, alas posticas perpaullo superans. Pedes validi; tibiæ posticæ calcaribus robustis. Alæ anticæ angustæ, apud costam rectæ, apice rectangulatæ, margine exteriore non obliquo, angulo interiore subrotundato.

Phycodes, *Guen. Noct.* ii. 389.

Body stout. Proboscis slender, rather short. Palpi not extending beyond the head; third joint small, linear, not half the length of the second. Antennæ a little more than half the length of the body, compressed, slightly dilated in the middle; joints closely applied to each other. Thorax with smooth, squamose, closely applied hairs. Abdomen rather broad and flat, extending very little beyond the hind wings. Legs stout; hind tibiæ with stout spurs. Fore wings narrow, straight in front, rectangular at the tips, not oblique along the exterior border; interior angle slightly rounded.

1. PHYCODES HIRUDINICORNIS.

Cinereo-cuprea, subtus alba; palpi albi, apice nigri; antennæ nigræ; abdomen nigro-purpureum, segmentis flavo marginatis; pedes nigri, albo fasciati; alæ anticæ fascia, strigis duabus discalibus exterioribus maculisque costalibus nigricantibus; posticæ nigro-purpureæ, strigis duabus basalibus ciliisque luteis.

Phycodes hirudinicornis, *Guen. Noct.* ii. 389, 1249.

Hindostan.

Genus 2. HYBLÆA.

Corpus robustum. Caput minimum. Proboscis brevis. Palpi validi, pilosi, porrecti, arcte applicati, rostrum breve fingentes; articulus 3us parvus. Antennæ graciles, setaceæ, corporis dimidio paullo breviores. Thorax valde robustus, dense vestitus, pilis arcte applicatis. Abdomen alas postieas non superans. Pedes validi; tibiæ posticæ dense fasciculatæ, calcaribus robustis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice angulatæ, margine exteriore subobliquo subconvexo, angulo interiore rotundato.

Hyblæa, *Fabr. Ent. Syst.* iii. 2, 127; *Esp. Naturf.*; *Guen. Noct.* ii. 390.

Euschesia, p., *Hübn. Verz. Schmett.* 221.

Heliothis, p., *Boisd.*

Body stout. Head very small. Proboscis short. Palpi stout, pilose, porrect, closely applied together, and appearing like a rostrum; third joint small. Antennæ slender, setaceous, a little less than half the length of the body. Thorax very robust, thickly clothed; the hairs smooth and closely applied. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ thickly tufted, with stout spurs. Fore wings moderately broad, straight in front, angular at the tips, slightly convex and oblique along the exterior border; interior angle rounded.

1. HYBLÆA PUERA.

Fusco-cinerea, subtus testacea; abdominis segmenta testaceo marginata; alæ anticæ fusco maculatæ; posticæ nigro-fuscæ, fasciis duabus abbreviatis incisis luteis rufo marginatis.

Phalæna-Noctua Puera, *Cram. Pap. Exot.* ii. 10, pl. 103, f. D, E.
Noctua Saga, *Fabr. Mant. Ins.* ii. 137, 29.
Hyblæa Saga, *Fabr. Ent. Syst.* iii. 2, 128, 4; *Naturf.* 201, pl. 4, f. 10, 11.
Noctua Unxia, *Hübn. Eur. Schmett. Noct.* f. 513.
Euschesia Unxia, *Hübn. Verz. Schmett.* 221, 2217.
Heliothis apricans, *Boisd. Faune Ent. Mad. Bomb. et Maur. Lép.* 98, 2, pl. 15. f. 7.
Hyblæa Puera, *Guen. Noct.* ii. 390, 1250.

a. Jamaica.
b—d. St. Domingo. From Mr. Tweedie's collection.
e. Honduras. From Mr. Dyson's collection.
f. Ceylon. Presented by R. Templeton, Esq.
g. Nepaul. Presented by W. W. Saunders, Esq.
h. Hindostan. From Archdeacon Clerk's collection.
i—k North Hindostan. From Mr. Stevens' collection.
l. North Hindostan. From Mr. James' collection.
m. North Hindostan. Presented by General Hearsay.
n. South Africa. Presented by Dr. A. Smith.
o. China. From Mr. Milne's collection.
p—r. ——? From Mr. Milne's collection.
s. ——? Presented by E. Doubleday, Esq.

2. Hyblæa constellata.

Cinereo-cuprea, subtus testacea; abdomen segmentis testaceo marginatis, ventre rufo; alæ anticæ fœminæ plaga obliqua discali fasciaque obliqua exteriore flavis, macula costali alba; posticæ nigro-cupreæ, maculis quatuor luteis, subtus rufo-luteæ aut rufæ nigro variæ.

Hyblæa constellata. *Guen. Noct.* ii. 391, 1251.

a. Ceylon. Presented by R. Templeton, Esq.
b—e. Silhet. From the Rev. J. Stainforth's collection.
f, g. Silhet. Presented by E. Doubleday, Esq.
h, i. Silhet.

3. Hyblæa tortricoides.

Ferruginosa; caput et thorax anticus nigra; alæ anticæ nigro fuscoque variæ; posticæ plaga antica ciliisque luteis.

Hyblæa tortricoides, *Guen. Noct.* ii. 391, 1252.

a. Borneo. From Mr. Wallace's collection.

4. HYBLÆA FIRMAMENTUM.

Nigricans; caput subtus pectusque alba; prothorax tegulis humerisque ferrugineis; abdomen subtus fasciis interruptis albis; alæ anticæ ferrugineæ, nigro punctatæ, incisura subapicali nigro ciliata, plaga maxima trigona basali postica strigaque lata costali exteriore nigricantibus, subtus maculis duabus costalibus margineque interiore pallide flavis; posticæ maculis duabus pilis interioribus ciliisque ex parte pallide flavis, subtus maculis plurimis pallide flavis.

Hyblæa firmamentum, *Guen. Noct.* ii. 392, 1253.

China.

a. Silhet.
b—*e*. Silhet. Presented by E. Doubleday, Esq.
f. ———? From Mr. Stevens' collection.

Genus 3. NOLASENA.

Statura parva. Corpus vix robustum. Proboscis mediocris. Palpi validi, porrecti, compressi, caput longe superantes; articulus 2us latus; 3us lanceolatus, 2i dimidio non longior. Antennæ graciles, simplices, corporis dimidio longiores. Thorax lævis, squamosus. Abdomen alas posticas vix superans. Pedes graciles, non pilosi, calcaribus longissimis. Alæ anticæ mediocriter latæ, apud costam subrectæ, apice subrotundatæ, margine exteriore vix obliquo.

Size small. Body hardly stout. Proboscis moderately long. Palpi stout, porrect, compressed, extending far beyond the head; second joint broad; third lanceolate, not more than half the length of the second. Antennæ slender, simple, more than half the length of the body. Thorax smooth, with squamose hairs. Abdomen hardly extending beyond the hind wings. Legs slender, not pilose; spurs very long. Wings moderately broad. Fore wings almost straight in front, somewhat rounded at the tips, hardly oblique along the exterior border. This genus, in the structure of its palpi, much resembles *Hyblæa* and also the *Hypocalidæ*, which family are closely allied to the *Hyblæidæ*.

1. NOLASENA FERRIFERVENS.

Pallide fusca, subtus alba; alæ anticæ fasciis tribus miniatis duabusque chalybeis, strigis submarginalibus rufescentibus, lunulis marginalibus nigris.

Fawn-colour. Pectus and legs whitish. Wings shining, slightly gilded. Fore wings with three oblique crimson bands; third band undulating and bordered with black on the outer side, which is connected with an undulating shining glaucous band; another glaucous band occupying the space between the first and second crimson bands; a row of slight red submarginal streaks and another of black marginal lunules. Length of the body 4 lines; of the wings 10 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Edward Newman, Printer, 9, Devonshire Street, Bishopsgate.

PREFACE.

THE object of the present Catalogue is to give a complete list of all the genera and species of Noctuidæ known to exist in the different collections. The letters *a*, *b*, &c., after the species, denote the specimens now contained in the British Museum, followed by the *habitat* and the month in which each of them was obtained, and the absence of these *letters* indicates the species which are desiderata, and therefore desirable to be procured for the collection.

JOHN EDWARD GRAY.

British Museum,
December 24th, 1857.

CATALOGUE

OF

LEPIDOPTERA HETEROCERA.

THIRD SERIES.

Fam. 8. GONOPTERIDÆ.

Proboscis sat longa. Palpi ascendentes, bene determinati; articulus 3us longus, gracilis. Antennæ sæpissime ciliatæ. Thorax tegulis liberis. Abdomen basi nonnumquam cristatum. Tibiæ posticæ calcaribus longis. Alæ anticæ apice acutæ, margine exteriore sæpissime angulato nonnunquam denticulato.

Gonopteridæ, *Guen. Noct.* ii. 393.
Orthosides, p., *Dup.*; *Guen.*
Amphipyrides, p., *Boisd.*

Proboscis moderately long. Palpi ascending, developed; third joint long, slender. Antennæ generally ciliated, occasionally serrated or minutely pectinated in the male. Thorax with the lappets detached. Abdomen occasionally crested at the base. Hind tibiæ with long spurs. Fore wings acute at the tips; exterior border very generally angular, occasionally denticulated.

A. Palpi thoracem superantes. - - 4. Eriocera, *Guen.*
B. Palpi thoracem non superantes.
A. Alæ anticæ margine exteriore angulato.
a. Palpi rostrum fingentes. - - 1. Rhynchodes, *Guen.*
b. Palpi rostrum non fingentes.
a. Caput non fasciculatum.
i. Pedes sat graciles.
* Corpus sat gracile.
† Abdomen non longiusculum.
2. Cosmophila, *Boisd.*
†† Abdomen longiusculum. 10. Scoedisa, *Walk.*
** Corpus robustum.
† Thorax tegulis elongatis. 3. Anomis, *Hübn.*
†† Thorax tegulis breviusculis. 8. Gonitis, *Guen.*
ii. Pedes validi.
* Corpus sat gracile. - - 7. Thalatta, *Walk.*
** Corpus sat robustum. - 9. Rusicada, *Walk.*
i. Alæ anticæ margine exteriore non denticulato.
11. Targalla, *Walk.*
ii. Alæ anticæ margine exteriore denticulato.
13. Scoliopteryx, *Germ.*
B. Alæ anticæ margine exteriore non angulato.
a. Caput fasciculatum.
a. Caput fasciculo porrecto. - 5. Hypsoropha, *Hübn.*
b. Caput fasciculo erecto. - - - 6. Tiauspa, *Walk.*
c. Caput non fasciculatum. - - 12. Siavana, *Walk.*

Genus 1. RHYNCHODES.

Mas. Corpus læve, gracile. Frons fasciculo squamoso. Palpi porrecti, squamosi, arcte applicati, rostrum fingentes, thorace non breviores; articulus 3us spatuliformis, 2o non gracilior. Antennæ breviusculæ, ciliato-serratæ. Thorax brevis, squamosus. Abdomen alas posticas non superans. Pedes longi, graciles. Alæ latiusculæ; anticæ apud marginem exteriorem angulatæ et excavatæ.

Rhynchodes, *Guen. Noct.* ii. 393.

Male. Body smooth, slender. Front with a squamose tuft, which is contiguous to the palpi. Palpi as long as the thorax, porrect, squamose, closely applied together, appearing like a rostrum; third joint spatuliform, as broad as the second. Antennæ rather

short, ciliate-serrate. Thorax short, squamose. Abdomen not extending beyond the hind wings. Legs long, slender. Wings rather broad. Fore wings with the exterior border angular and excavated.

1. RHYNCHODES PHALÆNIFORMIS.

Flava; palpi obscuriores, apice nigricantes; alæ anticæ ochraceo-flavæ, lineis duabus transversis pallidioribus subobsoletis remotis parallelis apud costam arcuatis, reniformi e macula intermedia fuscescente, ciliis apice nigricantibus.

Rhynchodes phalæniformis, *Guen. Noct.* ii. 394, 1254.

South Africa.

Genus 2. COSMOPHILA.

Corpus vix robustum. Proboscis sat longa. Palpi erecti; articulus 2us validus, pilosus; 3us cylindricus, acuminatus, 2i dimidio longior. Antennæ pubescentes aut subpectinatæ, corporis dimidio non longiores. Abdomen alas posticas paullo superans. Pedes sat graciles, non pilosi; tibiæ posticæ calcaribus longissimis. Alæ sat latæ; anticæ sæpissime luteæ, apud costam rectæ, apice acutæ, margine exteriore angulato.

Cosmophila, *Boisd. Faune Ent. Mad. Bomb. et Maur. Lép.* 94. *Guen. Noct.* ii. 394.

Body hardly stout. Proboscis moderately long. Palpi ascending, vertical; second joint stout, pilose; third cylindrical, acuminated, more than half the length of the second. Antennæ pubescent or minutely pectinated, about half the length of the body. Abdomen extending a little beyond the hind wings. Legs rather slender, not pilose; tibiæ with very long spurs. Wings moderately broad. Fore wings mostly luteous, straight in front, acute at the tips, angular in the middle of the exterior border.

A. Palporum articulus 3us 2i dimidio paullo longior. erosa, *Hübn.*
B. Palporum articulus 3us 2o paullo brevior.
A. Alæ posticæ non albidæ.
a. Alæ anticæ vix bicolores. - - - Indica, *Guen.*
b. Alæ posticæ distinctissime bicolores. xanthyndima, *Boisd.*
A. Alæ posticæ albidæ. - - - - auragoides, *Guen.*

America.

1. Cosmophila erosa.

Ochracea; abdomen testaceum; alæ anticæ lineis quatuor transversis angulatis, 3a 4aque postice connexis, 4a postice abbreviata, macula discali fusca aut cervina guttam albam includente, reniformi fusco marginata, fascia exteriore duplicata denticulata cinerea purpurascente-albido varia, ciliis purpureis nonnunquam albo variis; posticæ albidæ, margine lato subcervino.

Anomis erosa (Noctua genuina, Euphais peculiaris), *Hübn. Samml. Exot. Schmett.* ii. 19, 144, f. 287, 288; *Verz. Schmett.* 249, 2466.

Cosmophila erosa, *Guen. Noct.* ii. 395, 1255.

a. St. Domingo. From M. Sallé's collection.
b. St. Domingo. From Mr. Stevens' collection.
c. Venezuela. From Mr. Dyson's collection.
d. Jamaica.
e. ———?

Africa.

2. Cosmophila auragoides.

Ochracea; abdomen testaceum; alæ anticæ auratæ, dimidio exteriore subviolaceo, linea exteriore maculaque reniformi connexis; posticæ albidæ, apud apices violaceo vix suffusæ.

Cosmophila auragoides, *Guen. Noct.* ii. 397, 1258.

South Africa. Madagascar.

Asia, &c.

3. Cosmophila Indica.

Ochracea; abdomen testaceum; alæ anticæ lineis quatuor transversis angulatis, 3a 4aque connexis, 4a postice abbreviata, gutta discali albida et reniformi fusco marginatis, fascia exteriore indistincta subpurpurascente; posticæ pallide luteæ.

Cosmophila Indica, *Guen. Noct.* ii. 396, 1256.
Cirrœdia edentata, *Walk. Cat. Lep. Het. 2nd Ser.* 750.

Mauritius.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b, *c*. Congo. Presented by Sir J. Richardson.
d. Ceylon. Presented by R. Templeton, Esq.
e—*h*. North Hindostan. From Mr. James' collection.
i. North Hindostan. Presented by Gen. Hearsay.
j. Moreton Bay. From Mr. Diggles' collection.
k. Tasmania. From Mr. Wood's collection.
l. ——— ? From Mr. Milne's collection.

4. COSMOPHILA XANTHINDYMA.

Flava, luteo conspersa; abdomen et alæ posticæ cinerascentia; alæ anticæ dimidio apicali cinereo-fusco, lineis duabus transversis postice connexis ferrugineis, gutta discali alba ferrugineo marginata, reniformi et linea transversa 4a non connexis.

Cosmophila xanthindyma, *Boisd. Faune Ent. Mad. Bourb. et Maur. Lép.* 94, pl. 13, f. 7. *Guen. Noct.* ii. 396, 1257.
Cirrœdia variolosa, *Walk. Cat Lep. Het. 2nd Ser.* 750.

Madagascar. Mauritius. Isle Bourbon. Malabar. Java.

a. Ceylon. Presented by R. Templeton, Esq.
b. North Hindostan. Presented by General Hearsay.
c, *d*. North Hindostan. From Mr. Stevens' collection.
e. North Hindostan. From Mr. James' collection.
f. Moreton Bay. From Mr. Diggles' collection.

Genus 3. ANOMIS.

Corpus sat robustum. Proboscis mediocriter longa. Palpi longi, ascendentes; articulus 3us linearis, 2o multo gracilior et paullo brevior. Antennæ subserratæ, corporis dimidio longiores. Abdomen alas posticas superans. Pedes longiusculi, sat graciles: tibiæ posticæ calcaribus quatuor longis. Alæ anticæ apud costam rectæ, apice subangulatæ, margine exteriore apud medium subangulato.

Anomis, *Hübn. Verz. Schmett.* 249; *Guen. Noct.* ii. 397.

Body rather stout. Proboscis moderately long. Palpi long, ascending; third joint linear, much more slender and a little shorter than the second. Antennæ very minutely serrated, more than half the length of the body. Abdomen extending somewhat beyond the hind wings. Legs rather long and slender; hind tibiæ with four

long spurs. Wings moderately long. Fore wings straight in front, angular at the tips, slightly angular in the middle of the exterior border, which is slightly oblique; first, second and third inferior veins nearly contiguous; fourth remote.

North America.

A. Alæ anticæ guttis nullis albis.
  A. Alæ anticæ lineis transversis. - - - fulvida, *Guen.*
  B. Alæ anticæ lineis nullis. - - - - bipunctina, *Guen.*
B. Alæ anticæ guttis albis. - - - - luridula, *Guen.*

1. Anomis fulvida.

Ochraceo-fulvida; alæ ciliis albidis; abdomen et alæ posticæ cinerascentia; alæ anticæ guttis discalibus lineisque transversis ferrugineis et cinereis.

Anomis fulvida, *Guen. Noct.* ii. 397, 1259.

North America?

a. North Hindostan. From Mr. James' collection.
b. Hindostan. From Archdeacon Clerk's collection.
c. Hindostan. From Mr. Milne's collection.
d. Ceylon. Presented by R. Templeton, Esq.

2. Anomis bipunctina.

A. grandipunctæ *simillima; alæ anticæ lineis nullis, reniformi e guttis duabus fuscis æqualibus disjunctis rotundatis sat magnis.*

Anomis bipunctina, *Guen. Noct.* ii. 401, 1267.

Georgia.

3. Anomis luridula.

Pallide ochraceo-cinerea; abdomen albidum; alæ anticæ lineis medianis interruptis subobsoletis, orbiculari e puncto albido, reniformi e gutta cinereo-albida punctoque albido interiore conjunctis, linea marginali fuscescente, ciliis apice nigricante subpunctatis.

Anomis luridula, *Guen. Noct.* ii. 401, 1268.

North America.

West Indies.

A. Alæ anticæ macula albido conspersa. - grandipuncta, *Guen.*
B. Alæ anticæ macula nulla albido conspersa.
A. Alæ anticæ guttis albis. - - - - conducta, *Walk.*
B. Alæ anticæ guttis nullis albis.
A. Alæ anticæ cervinæ.
a. Alæ anticæ lineis transversis cinereis. - exacta, *Hübn.*
b. Alæ anticæ lineis transversis nigris. - derogata, *Walk.*
B. Alæ anticæ testaceæ. - - - dispartita, *Walk.*

4. Anomis grandipuncta.

Pallide cervina; abdomen testaceum; alæ anticæ strigis nonnullis indistinctis aut subobsoletis fuscis, macula discali nigricante albido conspersa, ciliis apice pallidioribus; posticæ cinereæ, ciliis albidis.

Anomis grandipuncta, *Guen. Noct.* ii. 400, 1266.

Brazil.

a—d. St. Domingo. From Mr. Tweedie's collection.
e, f. Santarem. From Mr. Bates' collection.
g, h. Venezuela. From Mr. Dyson's collection.

5. Anomis exacta.

Cervina; abdomen cinereum; alæ anticæ ciliis concoloribus. lineis tribus transversis angulosis cinereis albido marginatis: posticæ cinereæ, ciliis albido marginatis.

Anomis exacta, *Hübn. Samml. Exot. Schmett.* ii. *Lep.* iv. *Noct.* ii. *Noct.* ii. *Gentiles*, xiv. *Euphaides*, B. *Peculiares*, 2, f. 1—1; *Verz. Schmett.* 249, 2465. *Guen. Noct.* ii. 399, 1262.

a. St. Domingo. From Mr. Tweedie's collection.
b. St. Domingo. From Mr. Johnson's collection.
c. Para. From Mr. Johnson's collection.
d. Venezuela. From Mr. Dyson's collection.

6. ANOMIS CONDUCTA.

Pallide cervina; abdomen cinereum, submetallicum; alæ anticæ lineis tribus indistinctis transversis undulatis cinereis albido marginatis, orbiculari e gutta alba cinereo marginata, ciliis albidis; posticæ obscure cinereæ, ciliis albidis.

Pale fawn-colour. Abdomen cinereous, with a slight metallic tinge. Fore wings with three indistinct transverse undulating cinereous whitish bordered lines, and with a minute white cinereous-bordered dot representing the orbicular spot; ciliæ whitish. Hind wings dark cinereous; ciliæ whitish. Length of the body 5 lines; of the wings 12 lines.

This species is closely allied to *A. exacta*, but may be distinguished by the whitish ciliæ of the wings.

a—c. St. Domingo. From Mr. Tweedie's collection.
d. Parà. From Mr. Johnson's collection.

7. ANOMIS DEROGATA.

Cervina; abdomen cinereum; alæ anticæ nigro subconspersæ, lineis tribus transversis undulatis nigris, reniformi nigricante nigro marginata, linea submarginali cinerea diffusa, maris *obsoleta, ciliis fuscescentibus; posticæ* maris *æneo-albidæ*, fœminæ *cinereæ, ciliis albidis.*

Fawn-colour. Abdomen cinereous. Fore wings slightly and minutely speckled with black, with three transverse undulating black lines; reniform spot blackish, with a black border; submarginal line cinereous, diffuse, obsolete in the male; exterior border almost angular in the middle; ciliæ brownish. Hind wings with a slight æneous tinge, whitish in the male, cinereous in the female; ciliæ whitish. Length of the body 4½—5 lines; of the wings 10—12 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Venezuela. From Mr. Dyson's collection.

8. ANOMIS? DISPARTITA.

Testacea; palporum articulus 3us 2i dimidio non longior; abdomen albido-testaceum; alæ anticæ lineis tribus transversis pallidis subundulatis subobliquis, reniformi nigro trinotata, guttis marginalibus nigris, ciliis rufescentibus, margine exteriore subangulato; posticæ albidæ, iridescentes, apud margines subtestaceæ.

Testaceous. Third joint of the palpi not more than half the length of the second. Abdomen whitish testaceous. Fore wings with three pale slightly undulating and slightly oblique transverse lines, their borders rather darker than the rest of the wing; exterior border almost angular; reniform spot represented by two black dots and one black point; a row of marginal black dots; ciliæ reddish. Hind wings whitish, iridescent, with a slight testaceous marginal tinge. Length of the body 4 lines; of the wings 10 lines.

a. Jamaica. From Mr. Gosse's collection.
b. St. Domingo. From Mr. Tweedie's collection.
c. ——— ? Presented by E. Doubleday, Esq.

South America.

A. Abdominis latera albida.
  A. Alæ anticæ costa basi tumida. - - Œdema, *Guen.*
  B. Alæ anticæ costa non tumida. - - - fornax, *Guen.*
B. Abdominis latera non albida.
  A. Alæ anticæ non cinereæ.
    a. Alæ anticæ lineis medianis cinereis. - exaggerata, *Guen.*
    b. Alæ anticæ lineis medianis nigris. - - illita, *Guen.*
  B. Alæ anticæ cinereæ. - - - - - impasta, *Guen.*

9. Anomis fornax

Rufescente-fusca, abdominis latera albida; alæ anticæ lineis transversis obscurioribus indistinctis, orbiculari e puncto albo vix conspicuo, reniformi e gutta albo-flavescente, ciliis apice albidis, margine exteriore angulato; posticæ cinereæ.

Anomis fornax, *Guen. Noct.* ii. 398, 1260.

Cayenne.

10. Anomis exaggerata.

Ferrugineo-rufa; palpi oblique ascendentes, articulo 2o subrecto; alæ anticæ cinereo conspersæ, lineis medianis cinereis nebulosis subundulatis, orbiculari e puncto albo, reniformi e punctis duobus albis, ciliis intercisis; posticæ nigro-cinereæ, ciliis pallidioribus basi vinosis.

Anomis exaggerata, *Guen. Noct.* ii. 398, 1261.

Brazil.

11. Anomis Œdema.

Mas. *Fulvo-cinerea; abdomen longum, lateribus apice albidis; alæ anticæ rufescente conspersæ, lineis duabus medianis nigricantibus valde sinuatis cano marginatis, orbiculari e puncto et reniformi e striga canis rufescente marginatis, ciliis obscurioribus apice albis, costa basi tumida subtus fasciculata; posticæ cinereæ basi subpallidiores, ciliis pallidioribus, incisuris cinereo-violaceis.*

Anomis Œdema, *Guen. Noct.* ii. 399, 1263.

Cayenne.

12. Anomis impasta.

Cinerascens; alæ anticæ lineis transversis saturatioribus subobsoletis, linea exteriore apud discum magis conspicua valde sinuata, punctis cinereo-flavescentibus, extus marginata, orbiculari et reniformi e punctis tribus albidis cinereo marginatis vix conspicuis, ciliis fusco-violaceis; posticæ cinereæ, subtus albidæ.

Anomis impasta, *Guen. Noct.* ii. 400, 1264.

Cayenne.

13. Anomis illita.

Isabellina, aut pallide cervina; alæ anticæ apud marginem exteriorem saturatiores, disco subviolaceæ, lineis duabus medianis integris nigris albido lineatis, orbiculari et reniformi e puncto strigaque vix conspicuis, ciliis apice albis; posticæ cinereæ ciliis pallidioribus apud costam subrufescentibus.

Anomis illita, *Guen. Noct.* ii. 400, 1265.

Brazil.

Asia.

14. Anomis iconica.

Fœm. *Rufo-cervina, subtus albida; palporum articulus 3us 2o non brevior; antennæ simplices; abdomen pallide cinereum, submetallicum; alæ anticæ apice subrotundatæ, purpureo subtinctæ, fasciis tribus indistinctis diffusis undulatis guttisque submarginalibus nigricantibus, reniformi e litura nigricante, margine exteriore subrecto vix obliquo; posticæ pallide æneo-cinereæ.*

Female. Reddish fawn-colour, whitish beneath. Third joint of the palpi as long as the second. Antennæ quite simple. Abdomen pale cinereous, with a slight metallic tinge. Fore wings slightly tinged with shining purple, with three indistinct diffuse undulating blackish bands, and with a row of submarginal blackish dots; reniform spot indicated by a blackish mark; tips somewhat rounded; exterior border nearly straight, hardly oblique. Hind wings pale cinereous, with an æneous tinge. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 4. ERIOCERA.

Mas. Corpus robustum. Proboscis gracilis, sat longa. Palpi erecti, longissimi; articulus 2us arcuatus, compressus, latus, caput superans; 3us longissimus, thoracem superans, fasciculo maximo longissimo armatus. Antennæ pubescentes, ciliatæ, sat validæ. Thorax elongatus, tegulis acutis longissimis. Abdomen longum, subdepressum, basi subcristatum, alas posticas dimidio superans. Tibiæ anticæ villosæ, dilatatæ. Alæ elongatæ; anticæ acutæ, margine exteriore angulato.

Eriocera, *Guen. Noct.* ii. 401.

Male. Body stout. Proboscis slender, rather long. Palpi vertical, extremely long; second joint curved, broad, compressed, extending above the head; third very long, extending above the thorax, with a large tuft, which is four times its length. Antennæ pubescent, ciliated, rather stout. Thorax elongated; lappets acute, very long. Abdomen long, slightly depressed, slightly crested at the base, extending for half its length beyond the hind wings. Fore tibiæ villose, dilated, forming beneath a cavity clothed with silky hairs. Wings rather long, not broad. Fore wings straight along the costa, acute at the tips, with a slight angle in the middle of the exterior border.

This genus may belong to the *Pyralites.*

1. Eriocera mitrula.

Alæ anticæ cinereo-fuscæ, nitentes, rufescente suffusæ, lineis duabus medianis nigris denticulatis, orbiculari et reniformi maculaque postica vagis rufescentibus; posticæ nigricantes, ciliarum incisuris albo-rufescentibus.

Eriocera mitrula, *Guen. Noct.* ii. 402, 1269.
America?

Genus 5. HYPSOROPHA.

Corpus sat robustum. Caput fasciculo antice acuto porrecto. Proboscis mediocriter longa. Palpi compressi, validi, pilosi, subascendentes; caput longe superantes; articulus 3us lanceolatus, pubescens, 2i dimidio longior. Antennæ corporis dimidio longiores. Abdomen alas posticas vix superans. Pedes sat graciles; tibiæ posticæ calcaribus vix longis. Alæ latiusculæ; anticæ apud costam vix convexæ, apice subhamatæ, margine exteriore subconvexo subobliquo. *Mas.*—Antennæ subserratæ aut subciliatæ.

Hypsoropha, *Hübn. Verz. Schmett.* 249.
Monogona, *Guen. Noct.* ii. 402.

Body rather slender. Head with an acute porrect tuft in front. Proboscis moderately long. Palpi compressed, stout, pilose, extending far beyond the head, very slightly ascending; third joint lanceolate, pubescent, more than half the length of the second, and hardly distinguishable from it. Antennæ more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs rather slender; hind tibiæ with four moderately long spurs. Wings rather broad. Fore wings hardly convex along the costa, somewhat hooked at the tips, slightly convex and slightly oblique along the exterior border. *Male.*—Antennæ slightly serrated or minutely ciliated.

This and the two following genera are nearly allied to the *Pyralites*.

1. Hypsoropha monilis.

Cervina, subtus pallida; abdomen subtestaceum; alæ anticæ fascia brevi obliqua postica e maculis quatuor albis, punctis exterioribus albidis; posticæ testaceæ, margine subcervino.

Hypsoropha monilis, *Hübn. Samml. Exot. Schmett.* i. f. 23, 24.

a. ——— ?

Genus 6. TIAUSPA.

Corpus gracile. Caput fasciculo erecto. Proboscis mediocriter longa. Palpi longi, compressi, pilosi, sat graciles, caput superantes; articulus 3us linearis, 2o vix brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles; tibiæ posticæ calcaribus longissimis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subrectangulatæ, margine exteriore convexo subobliquo.

Body slender. Head with an erect tuft. Probescis moderately long. Palpi vertical, long, compressed, pilose, rather slender, ascending above the head; third joint linear, nearly as long as the second. Antennæ simple, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight along the costa, almost rectangular at the tips, convex and slightly oblique along the exterior border.

1. TIAUSPA HORMOS.

Pallide fusca; alæ anticæ cinereæ, fascia lata ante apicali obscure fusca strigaque postica media obliqua guttulari alba; posticæ macula discali marginibusque obscurioribus.

Hypsoropha Hormos (Noctua genuina, Euphais degener), *Hübn. Samml. Exot. Schmett.* i. 10, 14, f. 27, 28; *Verz. Schmett.* 249, 2468.

Monogona Hormos, *Guen. Noct.* ii. 403, 1270.

Georgia? Florida?

Var.? *Cinerea; thorax vix rufescente-cinereus; alæ anticæ rufescentes, nigro conspersæ, apud margines cinereo-rufescentes, striga brevi obliqua postica e guttis tribus albis; posticæ cupreo-cinereæ.* Var.—*Alæ anticæ cinereæ, ferrugineo subvariæ, strigis exterioribus nigris.*

Var.? Cinereous. Thorax with a slight reddish tinge. Fore wings reddish, speckled with black, with a cinereous tinge in front and behind, with a short oblique streak resting on the interior border, and composed of three white dots. Hind wings with a cupreous tinge. *Var.*—Fore wings cinereous, here and there slightly ferrugi-

nous, and with some black exterior streaks. Length of the body 5—6 lines; of the wings 12—14 lines.

a—c. Africa. Presented by J. F. Stephens, Esq.

Genus 7. THALATTA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi longi, graciles, oblique ascendentes; articulus 3us 2i dimidio paullo longior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas vix superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam subrectæ, apice acutæ, margine exteriore apud medium angulato.

Body rather slender. Proboscis moderately long. Palpi long, slender, obliquely ascending; third joint a little more than half the length of the second. Antennæ simple, more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs moderately stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings almost straight in front, acute at the tips; exterior border forming a distinct angle in the middle.

1. THALATTA PRECEDENS.

Ferruginea, subtus cinerea; abdomen cinereum; alæ anticæ gutta discali interiore nivea, linea transversa exteriore recta subobliqua obscura pallido marginata, punctis submarginalibus nigris, ciliis obscure ferrugineis; posticæ cupreo-cinereæ.

Ferruginous, cinereous beneath. Abdomen cinereous. Fore wings with a snow-white dot in the disk at one-third of the length, with a transverse straight slightly oblique dark pale-bordered line beyond the middle, and with an exterior row of black points; ciliæ dark ferruginous. Hind wings cupreous-cinereous. Length of the body 6 lines; of the wings 14 lines.

a. Hindostan. From Archdeacon Clerk's collection.

1. THALATTA CURVIFERA.

Luteo-ferruginea, subtus pallida; abdomen cinereum; pedes albidi, tarsis nigricantibus apice albidis; alæ anticæ apud costam subcinereæ, macula postica lutea obscura, linea e guttis nigris lineaque alba subarcuata transversis exterioribus; posticæ cupreo-ferrugineæ, apud costam pallidæ.

Luteous-ferruginous, pale beneath. Abdomen cinereous. Legs whitish; tarsi blackish, with white tips to the joints. Fore wings slightly cinereous along the costa, with an obscure luteous spot near the interior border beyond the middle, adjoining a transverse line of black dots, beyond which there is a slightly curved white transverse line. Hind wings ferruginous, with a cupreous tinge, pale along the fore border. Length of the body 7 lines; of the wings 16 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Genus 8. GONITIS.

Corpus robustum. Proboscis mediocriter longa. Palpi longiusculi, caput superantes; articulus 3us sæpissime longus, gracilis. Antennæ corporis dimidio longiores. Abdomen alas posticas plus minusve superans. Pedes sat graciles, non pilosi; tibiæ posticæ calcaribus longissimis. Alæ anticæ mediocriter latæ, apud costam rectæ, margine exteriore angulato, sæpe excavato. *Mas.*—Antennæ sæpe ciliato-serratæ. *Fœm.*—Antennæ vix ciliatæ.

Gonitis, *Guen. Noct.* ii. 403.

Body stout. Proboscis moderately long. Palpi rather long, ascending above the head; third joint generally long and slender. Antennæ more than half the length of the body. Abdomen extending more or less beyond the hind wings. Legs rather slender, not pilose; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight along the costa, acute at the tips; exterior border occasionally excavated on each side of the angle, which is distinct. *Male.*—Antennæ generally ciliate-serrate. *Female.*—Antennæ very minutely ciliated.

West Indies.

A. Alæ anticæ albo guttatæ.
  A. Alæ anticæ cinereæ. - - - - editrix, *Guen.*
  B. Alæ anticæ non cinereæ.
    A. Macula reniformis alba. - - properans, *Walk.*
    B. Macula reniformis subobsoleta. - - albitacta, *Walk.*
B. Alæ anticæ non albo guttatæ.
  A. Alæ anticæ cervinæ. - - - fractifera, *Walk.*
  B. Alæ anticæ testaceæ. - - - - cosmioides, *Walk.*

1. Gonitis editrix.

Olivaceo-cinerea; abdominis latera albida; alæ anticæ rufescente nitentes, strigis fuscis aut nigris conspersæ, linea submarginali e nebulis vagis apud medium angulata, maculis discalibus in nebula vaga inclusis, orbiculari e puncto albo vix conspicuo, reniformi e punctis duobus nigris, gutta basali alba, ciliis apice nigro punctatis; posticæ nigricantes, ciliis pallidioribus.

Gonitis editrix, *Guen. Noct.* ii. 404, 1271, pl. 11, f. 5.

West Indies. Colombia.

2. Gonitis fractifera.

Cervina, nonnunquam cinereo-cervina; palporum articulus 3us gracilis, 2o paullo brevior; abdomen vix robustum; alæ anticæ fusco conspersæ, lineis tribus transversis abbreviatis fuscis, margine exteriore angulato antice subconcavo, reniformis margine nigro guttis duabus exterioribus nigris; posticæ æneo-fuscæ, cinereo marginatæ. Mas.—*Antennæ subserratæ.*

Fawn-colour, occasionally with a cinereous tinge. Third joint of the palpi slender, almost three-fourths of the length of the second. Abdomen hardly stout. Fore wings speckled with brown, with three brown irregular transverse lines; the first abbreviated in front and behind; the second extending from the interior border to the reniform spot; the third extending from the costa to half the breadth of the wing; tips acute; exterior border distinctly angular, slightly concave in front of the angle; reniform spot with a brown border, which has two black dots on its exterior side. Hind wings æneous-brown, with cinereous borders. *Male.*—Antennæ minutely serrated. Length of the body 6—7 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Honduras. From Mr. Dyson's collection.
c. Venezuela. From Mr. Dyson's collection.
d. ———? Presented by E. Doubleday, Esq.
e. ———? From Mr. Milne's collection.

3. GONITIS PROPERANS.

Fœm. *Luteo-cervina, subtus pallida; palpi subarcuati; articulus 3us lanceolatus, 2i dimidio longior; antennæ subciliatæ; abdomen fuscescente-cervinum; alæ anticæ lineis quatuor angulosis transversis nigricantibus, orbiculari et reniformi e gutta maculaque albis nigro marginatis, gutta antica alba, anguli marginalis lateribus subconcavis; posticæ æneo-fuscæ.*

Female. Luteous fawn-colour, pale beneath. Palpi slightly curved; third joint lanceolate, more than half the length of the second. Antennæ very minutely ciliated. Abdomen brownish fawn-colour, extending somewhat beyond the hind wings. Fore wings with four zigzag transverse blackish lines; orbicular spot forming a white blackish bordered dot; reniform spot small, white, round, with a blackish border; a white dot in front of the reniform; tips acute; exterior border forming a slight angle, in front of which it is slightly concave. Hind wings æneous-brown. Length of the body 4 lines; of the wings 10 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Var. Fawn-colour, cinereous beneath. Reniform spot transversely oblong, rather large.

b. Brazil. From Mr. Argent's collection.

4. GONITIS ALBITACTA.

Rufescente-cervina, subtus pallide cinerea; palporum articulus 3us lanceolatus, gracilis, 2i dimidio paullo longior; abdomen cervinum; alæ anticæ lineis tribus transversis subobliquis nigricantibus albido marginatis, 1a 2aque subrectis, 3a undulata flexa abbreviata, linea submarginali undulata, valde indistincta, orbiculari e gutta alba, reniformi subobsoleta, margine exteriore antice concavo postice subdenticulato, ciliarum apicibus ex parte albidis; posticæ cervinæ.

Reddish fawn-colour, pale cinereous beneath. Third joint of the palpi lanceolate, slender, a little more than half the length of the second. Abdomen fawn-colour, paler than the thorax. Fore wings with three transverse blackish slightly oblique whitish-bordered lines; first and second almost straight; third undulating, extending from the costa to half the breadth of the wing, where it is abruptly

bent inward and joins the second; submarginal line undulating, very indistinct; orbicular spot indicated by a white dot; reniform almost obsolete; tips very acute; exterior border forming a very distinct angle in the middle, concave in front, slightly denticulate hindward; tips of the ciliæ partly whitish. Hind wings fawn-colour; ciliæ mostly whitish. Length of the body 7 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

5. GONITIS COSMIOIDES.

Mas. *Testacea; palporum articulus 3us gracilis linearis 2o paullo brevior; antennæ subserratæ; alæ anticæ subconspersæ, lineis tribus transversis obliquis fuscis, 1a 2aque subrectis antice abbreviatis, 3a angulata postice abbreviata, orbiculari obsoleta, reniformi nigro binotata, margine exteriore vix angulato antice vix concavo; posticæ æneo-cinereæ.*

Male. Testaceous. Third joint of the palpi slender, linear, nearly three-fourths of the length of the second. Antennæ minutely serrated. Abdomen extending somewhat beyond the hind wings. Fore wings slightly speckled, with three transverse oblique brown lines; the first and second almost straight, shortened in front; the third angular, shortened hindward; orbicular spot obsolete; reniform distinguished by two blackish marks; tips acute; exterior border forming a very slight angle, in front of which it is very slightly concave. Hind wings cinereous, with a slight æneous tinge. Length of the body 6 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Africa.

6. GONITIS? SABULIFERA.

Fœm. *Rufescente-cinerea; alæ anticæ nigro conspersæ, disco et apud costam saturatiores, fascia lata e strigis nigris contiguis, lineis transversis nigris; posticæ nigricantes, ciliis rufescente-cinereis.*

Gonitis sabulifera, *Guen. Noct.* ii. 404, 1272.

Abyssinia.

Asia.

A. Tibiæ anticæ albæ. - - - - albitibia, *Walk.*
B. Tibiæ anticæ non albæ.
A. Alæ anticæ fascia lata. - - - - latimargo, *Walk.*
B. Alæ anticæ fascia nulla lata.
a. Alæ anticæ albo guttatæ.
a. Alæ anticæ ochraceæ.
i. Reniformis magna, pallida. - combinans, *Walk.*
ii. Reniformis angusta, alba. - guttanivis, *Walk.*
b. Alæ anticæ testaceæ. - - - inducens, *Walk.*
B. Alæ anticæ albo non guttatæ.
a. Alæ anticæ macula nulla basali.
i. Alæ anticæ apice subhamatæ. - mesogona, *Walk.*
ii. Alæ anticæ apice non hamatæ. - involuta, *Walk.*
b. Alæ anticæ macula basali pallida. - basalis, *Walk.*

7. Gonitis combinans.

Ochraceo-lutea, subtus cinerea ; palporum articulus 3us gracilis, 2o paullo brevior ; abdomen cinereum ; alæ anticæ lineis nonnullis transversis angulosis rufescentibus, orbiculari e gutta alba rufescente marginata, reniformi magna pallida, linea submarginali pallida angulosa indistincta, margine exteriore angulato, ciliis ferrugineis ; posticæ cupreo-fuscæ.

Orange-luteous, cinereous beneath. Third joint of the palpi slender, about three-fourths of the length of the second. Abdomen cinereous. Fore wings with some zigzag transverse reddish lines; orbicular spot distinguished by a white reddish bordered dot; reniform spot large, pale; submarginal line pale, zigzag, indistinct; tips rectangular; exterior border distinctly angular in the middle; ciliæ ferruginous. Hind wings cupreous-brown. Length of the body 9 lines; of the wings 20 lines.

a. Ceylon. Presented by R. Templeton, Esq.

8. Gonitis albitibia.

Ferruginea, subtus pallida ; palporum articulus 3us lanceolatus, sat validus, 2i dimidio non brevior ; abdomen æneo-cinereum ; tibiæ anticæ supra albæ ; tarsorum articuli apice albi ; alæ anticæ lineis tribus transversis angulosis saturate rufis, linea submarginali angulosa, venis exterioribus cano conspersis, margine exteriore angulato ; posticæ æneæ, ciliis pallidis.

Ferruginous, paler beneath. Third joint of the palpi lanceolate, rather stout, full half the length of the second. Abdomen æneous-cinereous. Fore tibiæ white above; joints of the tarsi with white tips. Fore wings with three zigzag transverse deep red lines; submarginal line zigzag; exterior veins with hoary speckles; tips acute; exterior border distinctly angular. Hind wings æneous; ciliæ pale. Length of the body 8½ lines; of the wings 20 lines.

a. Ceylon. Presented by R. Templeton, Esq

9. GONITIS LATIMARGO.

Cinereo-rufa, subtus cinerea; palporum articulus 3us 2o paullo brevior; abdomen cinereum; alæ anticæ apice acutæ, margine exteriore angulato, fascia interiore incompleta testacea, fascia exteriore lata albido-testacea, guttis submarginalibus indistinctis nigris cano marginatis, ciliis nigro variis; posticæ æneo-fuscæ, basi pallidiores, ciliis rufescentibus.

Cinereous-red, cinereous beneath. Third joint of the palpi very long and slender, about three-fourths of the length of the second. Abdomen cinereous. Fore wings acute at the tips; exterior border distinctly angular; an incomplete testaceous band near the base, and a broad whitish testaceous submarginal band; a row of indistinct black hoary-bordered submarginal dots; ciliæ here and there black. Hind wings æneous-brown, pale at the base; ciliæ reddish. Length of the body 7½ lines; of the wings 17 lines

a. Hindostan. From Archdeacon Clerk's collection.

10. GONITIS MESOGONA.

Mas. *Pallidissime cervina; palpi graciles; articulus 2us subarcuatus, 3us linearis, 2o paullo brevior; antennæ ciliatæ; abdomen apice nigro pilosum; alæ anticæ fusco conspersæ, apice subhamatæ, lineis tribus transversis subobliquis fuscis, 1a 2aque antice abbreviatis; 3a postice abbreviata, reniformi e guttis duabus nigricantibus, linea submarginali fusca undulata diffusa, anguli distinctissimi lateribus subconcavis.*

Male. Very pale fawn-colour. Palpi slender; second joint very slightly curved; third linear, nearly three-fourths of the length of the second. Antennæ ciliated. Abdomen with black apical hairs. Fore wings speckled with brown, with three slightly oblique transverse brown lines, the first and the second shortened in front,

the third shortened hindward and connected with the second by a little undulating line; reniform spot represented by two blackish dots; submarginal line brown, diffuse, undulating; tips slightly hooked; exterior border slightly concave on each side of the tooth, which is very prominent. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

11. GONITIS GUTTANIVIS.

Fœm. *Ochraceo-rufa, flavo conspersa, subtus cana; palporum articulus 3us lanceolatus, 2i dimidio paullo longior; abdomen canum, submargaritaceum; alæ anticæ apice peracutæ, lineis tribus transversis subangulatis vix obliquis purpureo-rufis, orbiculari e gutta alba, reniformi alba angusta, linea submarginali angulosa valde indistincta, margine exteriore antice subconcavo; posticæ fuscescente-æneæ.*

Female. Orange-red, speckled with yellow, hoary beneath. Third joint of the palpi lanceolate, a little more than half the length of the second. Abdomen hoary, slightly pearly. Fore wings with three transverse almost upright slightly angular purplish red lines; orbicular spot forming a white dot; reniform white, narrow; submarginal line zigzag, very indistinct; tips very acute; exterior border forming a distinct angle, in front of which it is very slightly concave. Hind wings brownish æneous. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

12. GONITIS INVOLUTA.

Fœm. *Cervina, subtus pallida; articulus 3us lanceolatus, 2i dimidio paullo longior; alæ anticæ fusco subconspersæ, apice acutæ, lineis tribus transversis angulosis fuscis, 1a 2aque antice abbreviatis, orbiculari et reniformi e lituris duabus indistinctis nigricantibus, linea submarginali valde indistincta, margine exteriore antice vix concavo; posticæ cinereo-cervinæ.* Mas. — *Antennæ serratæ; abdomen fasciculis lateralibus.* Fœm.—*Antennæ simplices; tibiæ subarcuatæ.*

Female. Fawn-colour, paler beneath. Third joint of the palpi lanceolate, a little more than half the length of the second.

Fore wings minutely speckled with brown, with three transverse angular brown lines; first and second abbreviated in front; third abbreviated hindward; orbicular and reniform spots represented by two indistinct blackish marks; submarginal line very indistinct; tips acute; exterior border forming a slight angle, in front of which it is very slightly concave. Hind wings with a slight cinereous tinge. *Male.*—Antennæ serrated. Abdomen with tufts along each side. *Female.*—Antennæ simple. Tibiæ slightly curved. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. Ceylon. Presented by W. W. Saunders, Esq.

13. Gonitis basalis.

Fœm. *Cervina, subtus subalbida; palporum articulus 3us gracilis, cylindricus, 2i dimidio longior; antennæ graciles, subciliatæ; abdomen pallidum, alas posticas triente superans; alæ anticæ macula basali pallida, lineis tribus transversis angulatis obscurioribus valde indistinctis, orbicularis et reniformis marginibus obscurioribus vix conspicuis, linea submarginali obsoleta, margine exteriore antice vix concavo.*

Female. Fawn-colour, almost whitish beneath; third joint of the palpi slender, cylindrical, more than half the length of the second. Antennæ slender, very minutely ciliated. Abdomen paler than the thorax, extending for one-third of its length beyond the hind wings. Fore wings with three transverse angular very indistinct darker lines; orbicular and reniform spots with darker borders, very indistinct; submarginal line obsolete; a pale spot on the hind part of the base; exterior border forming a slight angle in the middle, in front of which it is very slightly concave. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

14. Gonitis inducens.

Testacea; palporum articulus 3us gracilis, linearis, 2o paullo brevior; antennæ validæ; alæ anticæ punctis lineisque transversis undulatis obscurioribus, apice peraculæ, linea submarginali valde indistincta, gutta orbiculari alba marginata, reniformi obscuriore indistincta, anguli marginalis lateribus rectis; posticæ testaceo-cinereæ. Mas.—*Antennæ serratæ.*

Testaceous. Third joint of the palpi slender, linear, three-fourths of the length of the second. Antennæ stout, serrated in the male. Abdomen much paler than the thorax. Fore wings with darker speckles and with darker transverse undulating lines; submarginal line very indistinct; orbicular dot represented by a white dot with a dark border, reniform darker, indistinct; tips rather acute; exterior border slightly angular in the middle, the sides of the angle straight. Hind wings pale cinereous, with a slight testaceous tinge. Length of the body 8—9 lines; of the wings 18 lines.

a, *b*. Java. From Mr. Henry's collection.

Country unknown.

15. GONITIS METAXANTHA.

Rufescente-ochracea, subtus cinerea; palporum articulus 3us sat gracilis, 2i dimidio paullo brevior; abdomen cervino-cinereum; alæ anticæ lineis tribus rufis transversis angulosis indistinctis, linea submarginali pallida cinereo marginata, macula magna interiore lutea, orbiculari e gutta alba, reniformi indistincta cinerascente, ciliis nigricantibus albido notatis; posticæ æneo-fuscæ, ciliis cano marginatis.

Reddish orange, cinereous beneath. Third joint of the palpi rather slender, little more than half the length of the second. Abdomen cinereous, with a slight tinge of fawn-colour. Fore wings with three indistinct zigzag transverse red lines; a grayish tinge about the zigzag submarginal line, which is pale; a luteous tinge in the disk, and a large distinct luteous spot on the inner side of the second line, and at one-third of the breadth from the interior border; orbicular spot represented by a white dot; reniform indistinct; grayish; tips rectangular; exterior border forming a very slight angle; ciliæ blackish, with elongated whitish marks. Hind wings æneous-brown; ciliæ with hoary tips. Length of the body 7 lines; of the wings 16 lines.

a. ——— ? Presented by E. Doubleday, Esq.

Genus 9. RUSICADA.

Corpus sat robustum. Proboscis mediocriter longa. Palpi porrecti, caput superantes; articulus 3us cylindricus, sat validus, 2i dimidio brevior. Antennæ validæ, subserratæ, subciliatæ. Abdomen alas posticas triente superans; latera fasciculata. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ anticæ longiusculæ, non latæ, apud costam rectæ, apice rectangulatæ, margine exteriore angulato.

Body rather stout. Proboscis moderately long. Palpi porrect, extending some distance beyond the head; third joint cylindrical, rather stout, not half the length of the second. Antennæ stout, minutely serrated and ciliated. Abdomen with lateral tufts, extending nearly one-third of its length beyond the hind wings. Legs stout, pilose; hind tibiæ with long spurs. Fore wings rather long, not broad, straight along the costa, rectangular at the tips; exterior border forming a distinct angle in the middle, very oblique along the hinder half.

1. RUSICADA NIGRITARSIS.

Mas. *Cervina, subtus pallida; caput et thorax anticus flavescentia; abdomen albido-cervinum; alæ anticæ lineis tribus transversis angulosis nigricantibus, 2a antice 3aque postice abbreviatis, linea submarginali subfuscescente denticulata indistincta, orbiculari e gutta alba nigricante marginata, reniformi e guttis duabus nigricantibus, anguli marginalis lateribus rectis, ciliis apice ex parte albis; posticæ pallidæ; tarsi nigricantes albido fasciati; tibiæ anticæ albæ.*

Male. Fawn-colour, pale beneath. Head and fore part of the thorax somewhat yellowish. Abdomen whitish fawn-colour. Fore wings with three blackish transverse zigzag lines, the second shortened in front and the third hindward; submarginal line slightly brownish, denticulate, indistinct; orbicular spot indicated by a white blackish-bordered dot; reniform marked by two blackish dots, one at some distance behind the other; exterior border straight on each side of the angle; tips of the ciliæ partly white. Hind wings paler than the fore wings. Tarsi blackish, with whitish bands; fore tibiæ white. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 10. SCOEDISA.

Mas. Corpus sat gracile. Proboscis mediocriter longa. Palpi ascendentes; articulus 2us validus, pilosus; 3us lanceolatus, gracilis, 2i dimidio brevior. Antennæ ciliatæ, corporis dimidio longiores. Abdomen longiusculum, alas posticas fere triente superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice rectangulatæ, margine exteriore angulato.

Male. Body rather slender. Proboscis moderately long. Palpi ascending; second joint stout, pilose; third lanceolate, slender, less than half the length of the second. Antennæ ciliated, more than half the length of the body. Abdomen rather long, extending for near one-third of its length beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, rectangular at the tips; exterior border forming a distinct but somewhat rounded angle.

1. Scoedisa designans.

Mas. *Rufescente-cervina, subtus cinerea; abdomen cinereum; alæ anticæ lineis tribus transversis undulatis nigricantibus, 1a discali, 2a antice abbreviata, 3a postice abbreviata, intus flexa, linea submarginali valde indistincta, orbiculari et reniformi e gutta maculaque albis; posticæ æneo-fuscæ.*

Male. Reddish fawn-colour, cinereous beneath. Abdomen cinereous. Fore wings with three transverse undulating blackish lines, the first abbreviated at each end, the second extending from the interior border to the reniform spot, the third extending from the costa to the disk, where it is inclined inward and joins the second submarginal line, very indistinct; orbicular spot represented by a white dot, reniform by a small white spot. Hind wings æneous-brown. Length of the body 8¼ lines; of the wings 18 lines.

Brazil. In Mr. Saunders' collection.

Genus 11. TARGALLA.

Mas. Corpus robustum. Caput fasciculatum. Proboscis mediocriter longa. Palpi ascendentes, validi; articulus 3us cylindricus, 2i dimidio longior. Antennæ validæ, simplices, corporis

dimidio breviores. Abdomen alas posticas plus triente superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ anticæ breviusculæ, sat angustæ, apud costam rectæ, apice subrotundatæ, margine exteriore subangulato.

Male. Body stout. Head with a tuft in front. Proboscis moderately long. Palpi ascending, stout; third joint cylindrical, more than half the length of the second. Antennæ stout, simple, less than half the length of the body. Abdomen extending for more than one-third of its length beyond the hind wings. Legs stout, pilose; hind tibiæ with long spurs. Fore wings rather short and narrow, straight along the costa, somewhat rounded at the tips; exterior border forming a slight angle in the middle, behind which it is very oblique.

1. TARGALLA INFIDA.

Mas. *Cinereo-cervina; caput nigro conspersum; palpi ex parte nigri; alæ anticæ intus nigro subconspersæ, fascia recta obliqua albida, extus canescentes, reniformi lutea perangusta, orbiculari e gutta alba, costa ferruginea albido notata, lituris exterioribus maculaque costali subapicali trigona ferrugineis, gutta discali punctisque marginalibus nigris; posticæ cupreo-fuscæ, subdenticulatæ, linea nigra marginali undulata, litura postica albida, ciliis pallidis.*

Male. Cinereous fawn-colour. Head speckled with black. Palpi partly black. Fore wings slightly speckled with black in the interior part, which is divided from the somewhat hoary exterior part by a straight oblique whitish band; the latter is partly formed by the reniform spot, which is luteous and very narrow; orbicular forming a white dot; costa ferruginous, with whitish marks; some ferruginous marks beyond the reniform, and a triangular ferruginous costal spot near the tip; a black dot in the disk behind the costal spot, and a row of black marginal points. Hind wings cupreous-brown, slightly denticulated, with a black marginal undulating line, with a whitish mark by the interior angle and with pale ciliæ. Length of the body 7 lines; of the wings 15 lines.

a. Hindostan. From Archdeacon Clerk's collection.

Genus 12. SIAVANA.

Corpus robustum. Proboscis mediocriter longa. Palpi porrecti, validi, pilosi; articulus 3us 2i dimidio brevior. Antennæ corporis dimidio longiores. Abdomen alas posticas paullo superans. Pedes validi, pilosi; tibiæ posticæ calcaribus vix longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subobliquo vix convexo. *Mas.*—Antennæ serratæ. *Fœm.*—Antennæ subciliatæ.

Body stout. Proboscis moderately long. Palpi porrect, stout, pilose; third joint less than half the length of the second. Antennæ more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs stout, pilose; spurs of the hind tibiæ hardly long. Wings moderately broad. Fore wings straight in front, rounded at the tips, slightly oblique and very slightly convex along the exterior border. *Male.*—Antennæ serrated. *Female.*—Antennæ minutely ciliated.

1. SIAVANA REPANDA.

Luteo-cervina; alæ ex parte pallide subvioláceæ, fascia obliqua obscuriore nonnunquam macular nonnunquam subobsoleta; posticæ rarissime fasciatæ.

Luteous fawn-colour. Wings with a lilac tinge on the exterior part, along the costa and at the base, with an oblique sometimes macular, sometimes almost obsolete band; submarginal line undulating, indistinct, often obsolete. Hind wings with the band generally obsolete. Length of the body 7—8 lines; of the wings 17—18 lines.

a—e. Florida. Presented by E. Doubleday, Esq.

Genus 13. SCOLIOPTERYX.

Corpus robustum. Caput fasciculatum, Proboscis valida, sat longa. Palpi longiusculi, oblique ascendentes; articulus 2us validus, pilosus; 3us cylindricus, 2i dimidio non brevior. Antennæ validæ, corporis dimidio non longiores. Abdomen alas posticas vix superans. Pedes validi, dense vestiti; tibiæ posticæ calcaribus longis validis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subhamatæ, margine exteriore angulato denticulato. *Mas.*—Antennæ pectinatæ. *Fœm.*—Antennæ serratæ.

Scoliopteryx, *Germ. Prod.* 14.
Ephemias, *Hübn. Verz. Schmett.* 248.
Gonoptera, *Latr.*; *Boisd.*; *Guen. Ann. Soc. Ent. Fr.* vii. 228; *Noct.* ii. 405.
Calyptra, p., *Ochs.*
Calpe, p., *Treits.*

Body stout. Head tufted in front. Proboscis stout, moderately long. Palpi rather long, obliquely ascending; second joint stout, pilose, third cylindrical, full half the length of the second. Antennæ stout, about half the length of the body. Abdomen hardly extending beyond the hind wings. Legs stout, thickly clothed; tibiæ with long stout spurs. Fore wings moderately broad, straight along the costa, slightly hooked at the tips, angular and denticulate along the exterior border. *Male.*—Antennæ pectinated. *Female.*—Antennæ serrated.

1. SCOLIOPTERYX LIBATRIX.

Ferruginea; thoracæ ochraceo fasciatus; abdomen basi canescens; tibiæ albo guttatæ; tarsi albo fasciati; alæ anticæ nigro conspersæ, basi ochraceo variæ, punctis duobus (uno basali, altera discali) albis, lineis tribus transversis (2a duplicata) strigaque subapicali albidis, punctis duobus discalibus nigris; posticæ cinereæ, basi pallidæ.

———, *Goëd. Ins.* i. pl. 67. *List. Goëd.* f. 30. *Raii, Ins.* 183, 2. *Petiv. Gazoph.* pl. 19, f. 4. *Albin, Ins.* pl. 32, f. 50. *Roës, Ins.* iv. pl. 20. *Geoffr. Ins. Par.* ii. 121, 26. *Sulz. Hist. Ins.* pl. 21, f. 7. *Schæff. Icon.* pl. 124, f. 1, 2. *Harr. Ins. Angl.* pl. 1, f. C, D. *Deg. Ins.* ii. 1, 332, 1, pl. 5, f. 5. *Engr. Pap. d'Eur.* 258, c—e.
Phalæna-Bombyx libatrix, *Linn. Faun. Suec.* i. 833, 2, 1143. *Scop. Ent. Carn.* 516. *Gmel. ed. Syst. Nat.* i. 5, 2441, 78.
Phalæna Salictaria, *Poda, Ins.* 92, pl. 2, f. 9.
Noctua libatrix, *Fabr. Sp. Ins.* ii. 224, 82; *Mant. Ins.* ii. 154, 138; *Ent. Syst.* iii. 268, 181. *Wien. Verz.* 62, 1. *Hübn. Eur. Schmett. Noct.* pl. 93, f. 436. *Haw. Lep. Brit.* 252. *Donov. Brit. Ins.* vi. pl. 216. *Dup. Lép.* vii. 478, pl. 131, f. 1.
Bombyx libatrix, *Esp. Schmett.* iii. pl. 69, f. 4. *Bork. Eur. Schmett.* iii. 428, 160.
Euphemias libatrix, *Hübn. Verz. Schmett.* 248, 2464.
Calpe libatrix, *Treit. Schmett.* v. 172, 2.

Gonoptera libatrix, *Meig. Handb.* 167, 49; *Syst. Besch.* iii. 212, 1, pl. 121, f. 1. *Boisd. Ind. Méth.* 98, 739. *Guen. Noct.* ii. 405, 1273.

Calyptra libatrix, *Steph. Ill. Brit. Ent. Haust.* iii. 50.

a—c. Europe. From M. Becker's collection.
d. France.
e. Italy. From Dr. Leach's collection,
f, g. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
h. Nova Scotia. From Lieut. Redman's collection.
i. Orilla, West Canada. From Mr. Bush's collection.

Tribe 3. INTRUSÆ.

Statura mediocris aut magna. Antennæ pubescentes aut crenulatæ. Abdomen supra aut apud latera plus minusve depressum. Alæ non concolores; anticæ validæ, nebulosæ.

Intrusæ, *Guen. Noct.* ii. 407.

Size moderate or large. Antennæ pubescent or crenulate. Abdomen more or less depressed above or on each side. Fore wings stout, clouded. Hind wings not like the fore wings in colour.

A. Corpus robustum.
A. Abdomen depressum. Alæ crassæ, nitentes.
Fam. 1. AMPHIPYRIDÆ, *Guen.*
B. Abdomen *fœminæ* sæpe tumidum. Alæ posticæ amplæ.
Fam. 2. TOXOCAMPIDÆ, *Guen.*
B. Corpus gracile. - - - - Fam. 3. STILBIDÆ, *Guen.*

Fam. 1. AMPHIPYRIDÆ.

Corpus robustum, nonnunquam cristatum. Proboscis mediocris aut longiuscula. Palpi validi, ascendentes; articulus 3us sæpissime elongatus. Antennæ simplices, corporis dimidio longiores. Abdomen depressum. Tibiæ posticæ calcaribus sæpissime longis. Alæ latæ aut vix latæ, margine exteriore plus minusve denticulato.

Amphipyrides, *Guen. Ann. Soc. Ent. Fr.* vi. 222; viii. 107; *Boisd.*; *Dup.*
Amphipyridæ, *Guen. Noct.* ii. 408.

Body robust. Head rarely tufted. Proboscis rather long, or of moderate length. Palpi stout, ascending; third joint generally rather long. Antennæ simple, more than half the length of the body. Thorax rarely crested. Abdomen occasionally crested. Legs generally long; spurs most often long. Wings broad, or rather narrow; the exterior border more or less denticulated.

A. Abdomen cristatum.
  A. Thorax non cristatus.
    a. Abdomen alas posticas superans. - 1. Barydia, *Guen.*
    b. Abdomen alas posticas non superans. - 5. Mormo, *Ochs.*
  B. Thorax cristatus. - - - - 4. Nænia, *Steph.*
B. Abdomen non cristatum.
  A. Palporum articulus 3us brevis. - 2. Syntomopus, *Guen.*
  B. Palporum articulus 3us sat longus. 3. Amphipyra, *Guen.*

Genus 1. BARYDIA.

Corpus crassum. Proboscis valida, longiuscula. Palpi ascendentes, erecti; articulus 2us crassus, villosus; 3us validus, linearis, squamosus, apice truncatus, 2i dimidio non longior. Antennæ ciliato-crenulatæ, corporis dimidio longiores. Thorax lanoso-squamosus, dense vestitus. Abdomen depressum, alas posticas triente superans, basi cristatum. Pedes breves, robusti, villosi. Alæ denticulatæ, vix latæ; anticæ crassæ apud costam vix convexæ, apice subangulatæ, margine exteriore subobliquo.

Barydia, *Guen. Noct.* ii. 409.

Body very thick. Proboscis stout, rather long. Palpi vertical; second joint thick, villose; third stout, linear, squamose, truncated at the tip, about half the length of the second. Antennæ crenulate, with short ciliæ, more than half the length of the body. Thorax lanose, squamose, thickly clothed. Abdomen depressed, crested at the base, extending for one-third of its length beyond the hind wings. Legs short, stout, villose. Wings denticulate along the exterior border, not broad. Fore wings stout, hardly convex along the costa, slightly angular at the tips, very slightly oblique along the exterior border.

1. Barydia Bufo.

Cinerea ; prothoracæ albo varius ; alæ anticæ albido et rufescente variæ, triente basali obscuriore, lineis transversis et maculis discalibus conspicuis, macula apicali ferrugineo-fusca nigro lineata ; posticæ fusco-cinereæ, ciliis ochraceo-albis.

Barydia Bufo, *Guen. Noct.* ii. 410, 1274.

Cayenne.

Genus 2. SYNTOMOPUS.

Corpus robustum. Proboscis breviuscula. Palpi ascendentes, fere erecti; articulus 2us validus; 3us conicus, brevis. Antennæ simplices, corporis dimidio longiores. Abdomen depressum, alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus parvis. Alæ subdenticulatæ, non latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore convexo vix obliquo.

Syntomopus, *Guen. Ann. Soc. Ent. Fr.* vi. 223; vii. 115; *Noct.* ii. 410.
Amphipyra, p., *Ochs.*; *Treit.*; *Boisd.*; *Steph.*
Pyrois, p., *Hübn. Verz. Schmett.* 208.

Body stout. Proboscis rather short. Palpi almost vertical; second joint stout, pilose; third minute conical, not more than one-fourth of the length of the second. Antennæ simple, more than half the length of the body. Abdomen depressed, extending a little beyond the hind wings. Legs stout; hind tibiæ with short spurs. Wings slightly denticulate along the exterior border, not broad. Fore wings straight along the costa, rounded at the tips; exterior border convex, hardly oblique.

1. Syntomopus cinnamomea.

Ferruginea ; alæ anticæ strigis variis pallidis, venis nigris ; posticæ cupreo-rufescentes, ciliis pallidioribus.

——— ———, *Engr. Pap. d'Eur.* 339, d, e.
Noctua cinnamomea, *Kléem, Ins.* pl. 18, f. 1—6. *Wien. Verz.* (in not). *Bork. Eur. Schmett.* iv. 91. *Brahm, Ins.* 352.
Noctua conica, *Esp. Schmett.* iv. pl. 171, f. 4—6. *God. Lép. Fr.* ii. 139, pl. 56.
Noctua perfusa, *Hübn. Eur. Schmett. Noct.* 37.

Pyrois cinnamomea, *Hübn. Verz. Schmett.* 208, 2080.
Amphipyra cinnamomea, *Treit. Schmett.* v. 282. *Boisd. Ind. Méth.* 99, 744.
Syntomopus cinnamomea, *Guen. Noct.* ii. 411, 1275.

a—c. Europe. From M. Becker's collection.
d. ——? From Mr. Milne's collection.

Genus 3. AMPHIPYRA.

Corpus robustum. Proboscis mediocriter longa. Palpi ascendentes, fere erecti; articulus 2us validus; 3us lanceolatus, 2i dimidio non longior. Antennæ simplices, corporis dimidio longiores. Abdomen depressum, alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ subdenticulatæ, non latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore convexo vix obliquo.

Pyrophila, p., *Hübn. Verz. Schmett.* 208; *Steph.*
Scotophila, *Hübn. Verz. Schmett.* 208; *Boisd.*; *Dup.*
Amphipyra, p., *Ochs.*; *Treit.*; *Boisd.*; *Steph.*; *Dup.*; *Guen. Noct.* ii. 411.
Philopyra, *Guen. Ann. Soc. Ent. Fr.* viii. 116.

Body stout. Proboscis moderately long. Palpi almost vertical; second joint stout, pilose; third lanceolate, not more than half the length of the second. Antennæ simple, more than half the length of the body. Abdomen depressed, extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings slightly denticulated along the exterior border, not broad. Fore wings straight along the costa, rounded at the tips; exterior border convex, slightly oblique.

Europe.

1. AMPHIPYRA PYRAMIDEA.

Cinereo-fusca; proboscis testacea; abdomen pallide cinereum, fasciculis lateralibus nigris canisque; alæ anticæ lineis transversis undulatis fasciaque nigricantibus, lineis angulatis exterioribus canis nigro marginatis; posticæ cupreo-ferrugineæ.

——— ———, *Engr. Pap. d'Eur.* 337, a—f. *Raii, Ins.* 159, 9. *Réaum. Ins.* i. pl. 15, f. 1—5. *Merian, Ins. Eur.* ii. 23, pl. 9. *Ammir. Ins.* pl. 11. *Roës. Ins.* i. pl. 11. *Geoff. Ins.* ii. 160.

Phalæna-Noctua pyramidea, *Linn. Syst. Nat.* ii. 856, 181. *Gmel. ed. Syst. Nat.* i. 6, 2574, 181.
Noctua pyramidea, *Fabr. Sp. Ins.* ii. 232, 119; *Mant. Ins.* ii. 169, 231; *Ent. Syst.* iii. 2, 98, 290. *Borgstr. Ins. Suec.* i. 2. *Wien. Verz.* 71, 1. *Esp. Schmett.* iv. pl. 171, f. 1—3. *Bork. Eur. Schmett.* iv. 197, 90. *Hübn. Eur. Schmett. Noct.* pl. 8, f. 36. *God. Lép. Fr.* v. pl. 54. *Donov. Brit. Ins.* vi. pl. 193. *Haw. Lep. Brit.* ii. f. 4. *Meig. Handb.* 159, 29; *Syst. Besch. Eur. Schmett.* iii. 134, 95, pl. 103, f. 2.
Pyrois pyramidea, *Hübn. Verz. Schmett.* 208, 2081.
Amphipyra pyramidea, *Treit. Schmett.* v. 285, 5. *Steph. Ill. Brit. Ent. Haust.* ii. 164. *Boisd. Ind. Méth.* 99, 745. *Guen. Noct.* ii. 413, 1277.

a—o. England. From Mr. Stephens' collection.
p—t. England.
v—x. Europe. From M. Becker's collection.
y, z. Europe.

2. Amphipyra perflua.

Obscure fusca; antennæ nigræ; abdomen cinereum; alæ anticæ apices versus cupreo-fuscæ, lineis nonnullis undulosis exterioribus unaque interiore sordide albidis; posticæ cupreo-fuscæ.

Noctua perflua, *Fabr. Mant. Ins.* ii. 179, 280; *Ent. Syst.* iii. 2, 115, 347. *DeVill. Ent. Linn.* iv. 488. *Bork. Eur. Schmett.* iv. 577, 238. *Hübn. Eur. Schmett. Noct.* pl. 8, f. 35. *God. Lép. Fr.* v. pl. 66, f. 3. *Freyer, Beitr.* pl. 23, 72. *Meig. Syst. Besch.* iii. 135, 96, pl. 106, f. 14. *Fisch. Ent. Russ.* 198, pl. 5, f. 3.
Phalæna-Noctua perflua, *Gmel. ed. Syst. Nat.* i. 6, 2574, 1166.
Pyrois perflua, *Hübn. Verz. Schmett.* 209, 2082.
Noctua pyramidina, *Esp. Schmett.* iv. pl. 192, f. 2.
Noctua Ulmea, *Schr. Faun. Boic.* ii. 1522.
Amphipyra perflua, *Ochs. Eur. Schmett.* iv. 70. *Treit. Schmett.* v. 289, 6. *Boisd. Ind. Méth.* 99, 746. *Guen. Noct.* ii. 414, 1280.

a—c. Europe. From M. Becker's collection.

3. AMPHIPYRA EFFUSA.

Cinereo-fusca; thorax nigro conspersus; alæ anticæ nigro conspersæ, maculis costalibus, fasciis incompletis guttisque marginalibus nigris, macula discali ampla; posticæ pallidiores.

Amphipyra effusa, *Boisd. Ind. Méth.* 99, 743. *Geyer, Eur. Schmett.* f. 820, 821. *Treit. Suppl.* 31. *Dup. Suppl.* iii. 201, pl. 19. *Guen. Noct.* ii. 414, 1281.

Noctua effusa, *Frey. Beitr.* ii. pl. 148, f. 3.

a. South Europe. Presented by M. A. Pierret.
b, c. South Europe. From M. Becker's collection.

4. AMPHIPYRA LIVIDA.

Cupreo-nigra; abdomen nigro-cinereum; alæ posticæ cupreo-rufescentes, ciliis cinereis.

——— ———, *Engr. Pap. d'Eur.* 337, g, h.

Noctua livida, *Wien. Verz.* 85, 13, 313. *Fabr. Mant. Ins.* ii. 138, 32; *Ent. Syst.* iii. 2, 21, 42. *Bork. Eur. Schmett.* iv. 726, 324. *Rossi, Mant.* 389. *Hübn. Eur. Schmett. Noct.* pl. 8, f. 38. *God. Lép. Fr.* vi. pl. 57, f. 1. *Meig. Syst. Besch.* iii. 137, 100, pl. 102, f. 12.

Noctua-Phalæna livida, *Gmel. ed. Syst. Nat.* i. 5, 2535, 999.

Noctua scotophila, *Esp. Schmett.* iv. pl. 170, f. 3.

Amphipyra livida, *Treit. Schmett.* v. 281, 3. *Guen. Noct.* ii. 415, 1282.

Scotophila livida, *Boisd. Ind. Méth.* 99, 747.

South France. Italy. Austria. Hungary.

a. Europe. From M. Becker's collection.

5. AMPHIPYRA TETRA.

Ferruginea; abdomen pallidum; alæ anticæ punctis pallidis, guttis tribus discalibus fuscis; posticæ pallidæ, margine lato æneo-rufescente.

Noctua tetra, *Fabr. Mant. Ins.* ii. 138, 31; *Ent. Syst.* iii. 2, 21, 41. *Bork. Eur. Schmett.* iv. 725. *Hübn. Eur. Schmett. Noct.* pl. 8, f. 39. *God. Lép. Fr.* v. pl. 57, f. 2. *Meig. Syst. Besch.* iii. 136, 99, pl. 102, f. 12.

Phalæna-Noctua tetra, *Gmel. ed. Syst. Nat.* i. 5, 2534, 998.

Scotophila tetra, *Hübn. Verz. Schmett.* 209, 2086. *Boisd. Ind. Méth.* 99, 748.

Amphipyra tetra, *Treit. Schmett.* v. 279, 2. *Eversm. Faun. Volg-Ural.* 203. *Guen. Noct.* ii. 415, 1283.

South France. Austria. Hungary. South Russia.

a, *b*. Europe. From M. Becker's collection.

6. AMPHIPYRA TRAGOPOGONIS.

Cinereo-fusca; abdomen pallidum; alæ anticæ nitentes, guttis tribus discalibus nigricantibus; posticæ æneo-cinereæ, basi pallidiores.

——— ———, *Frisch, Ins.* ii. 33, pl. 7. *Deg. Ins.* ii. 418, 10, pl. 7, f. 15. *Engr. Pap. d'Eur.* 338, a—c.

Phalæna-Noctua Tragopogonis, *Linn. Faun. Suec.* 1189. *Gmel. ed. Syst. Nat.* i. 5, 2561, 177. *Clerck, Icon.* pl. 1, f. 5.

Noctua Tragopogonis, *Fabr. Sp. Ins.* ii. 237, 133; *Mant. Ins.* ii. 177, 270; *Ent. Syst.* iii. 2, 112, 336. *Wien. Verz.* 85, 14. *Esp. Schmett.* iv. pl. 170, f. 1, 2. *Bork. Eur. Schmett.* iv. 729, 326. *Rossi, Faun. Etr.* 407. *Donov. Brit. Ins.* vii. pl. 223. *Hübn. Eur. Schmett. Noct.* pl. 8, f. 40. *Haw. Lep. Brit.* 13. *God. Lép. Fr.* v. pl. 57, f. 3. *Meig. Handb.* 158, 28; *Syst. Besch.* iii. 136, 98, pl. 102, f. 13.

Noctua Luciola, *Berl. Mag.* iii. 294.

Noctua tetra, *Haw. Lep. Brit.* 12.

Scotophila Tragopogonis, *Hübn. Verz. Schmett.* 209, 2087. *Boisd. Ind. Méth.* 99, 749.

Pyrophila Tragopogonis, *Steph. Ill. Brit. Ent. Haust.* ii. 165.

Pyrophila tetra, *Steph. Ill. Brit. Ent. Haust.* ii. 165.

Amphipyra Tragopogonis, *Treit. Schmett.* v. 277, 1. *Guen. Noct.* ii. 415, 1284.

a, *b*. England. Presented by W. Wing, Esq.

c—*s*. England. From Mr. Stephens' collection.

t—*u*. England.

w—*y*. Europe. From M. Becker's collection.

z. France.

aa. ——— ?

7. AMPHIPYA STYX.

Nigro-fusca; abdomen cinereum; alæ anticæ striga basali postica pallida, lituris duabus discalibus nigris, fascia marginali cervina intus pallidiore, guttis marginalibus nigris; posticæ cinereæ, margine lato nigricante.

Amphipyra Styx, *Herr.-Schæff. Schmett. Eur.* f. 473. *Guen. Noct.* ii. 416, 1285.

Shores of the Sea of Marmora.

North America.

8. Amphipyra pyramidoides.

Cinereo-fusca; abdomen cinereum; alæ anticæ fasciis undulatis incompletis venisque ex parte nigris, reniformi nigro marginata fasciaque lata submarginali pallidis; posticæ cupreo-rufæ, costa ciliisque obscurioribus.

Amphipyra pyramidoides, *Guen. Noct.* ii. 413, 1278.

a.—d. United States. Presented by E. Doubleday, Esq.
e Massachusetts. From Professor Sheppard's collection.
f. ——?

9. Amphipyra? turbulenta.

Fusca; alæ anticæ triente basali ferrugineo-fusca, fascia media lata nigro-fusca, dimidio fere apicali pallide fusco testaceo vario; posticæ cinereæ.

Phosphila turbulenta (Noctua genuina, Amphipyra eminens), *Hübn. Samml. Exot. Schmett.* i. 15, 34, f. 67, 68.

Georgia. Florida.

South America.

10. Amphipyra? ursipes.

Mas. *Obscure fusca; tibiæ dense hirtæ; alæ anticæ fasciis tribus multiangulatis pallide fuscis; posticæ nigricantes.*

Phosphila ursipes (Noctua genuina, Amphipyra eminens), *Hübn. Samml. Exot. Schmett.* ii. 25, 171, f. 341, 342.

Surinam.

Asia.

11. Amphipyra monolitha.

Fusca; palporum articulus 3us longus, acutus; alæ anticæ saturate violaceo-fuscæ, velutinæ, non nebulosæ, lineis cinereis, orbiculari e puncto cinereo; posticæ cupreo-rufæ, ciliis cinereis.

Amphipyra monolitha, *Guén. Noct.* ii. 414, 1279.
Silhet.

a. North China. From Mr. Fortune's collection.

An injured specimen, which does not well agree with the characters of the species above described.

12. AMPHIPYRA? SUBRIGNA.

Alæ anticæ nigro-fuscæ, strigis undulatis obscuris, maculis ordinariis obsoletis, nigro cingulatis; posticæ cinereæ.

Amphipyra subrigna, *Bremer und Grey, Beitr. zur Schmett. Fauna des Nordlichen China's*, 17, 91.
North China.

Australia.

13. AMPHIPYRA SANGUINIPUNCTA.

Fusca; palpi nigri apice albi; thorax nigro albidoque varius; alæ anticæ saturate fusco-cinereæ, lineis transversis albis maculisque nigris conjunctis, linea submarginali e maculis nigris intus rufo punctatis, orbiculari, reniformi maculaque 3a nigris rufo punctatis; posticæ pallide fuscescente-cinereæ, ciliis albidis.

Amphipyra sanguinipuncta, *Guen. Noct.* ii. 412, 1276, pl. 18, f. 2.
Australia.

Genus 4. NÆNIA.

Corpus robustum. Caput fasciculatum. Proboscis mediocriter longa. Palpi oblique ascendentes; articulus 2us subtus dense fasciculatus; 3us linearis, apice truncatus, 2i dimidio longior. Antennæ simplices, corporis dimidio longiores. Thorax cristatus. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ, apud marginem exteriorem subdenticulatæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore vix obliquo.

Hadena, p., *Hübn. Verz. Schmett.* 216.
Mormo, p., *Ochs. Syst.* iv. 70.
Mania, p., *Treit. Schmett.* v. 294. *Guen. Noct.* ii. 416.
Lemuris, *Curt.*

Body stout. Head with a tuft between the antennæ. Proboscis moderately long. Palpi obliquely ascending; second joint thickly tufted beneath; third linear, truncated at the tip, more than half the length of the second. Antennæ simple, more than half the length of the body. Thorax crested. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad, very slightly denticulated along the exterior border. Fore wings straight in front, somewhat rounded at the tips, hardly oblique along the exterior border.

1. Nænia typica.

Fusca; thorax fascia pallidiore nigro marginata; alæ anticæ ocellis duobus lineisque transversis undulatis pallidioribus nigro marginatis, maculis discalibus nigricantibus, venis nonnullis albidis; posticæ fusco-cinereæ.

———— ————, *Roës. Ins.* i. pl. 56. *Deg. Ins.* ii. 441, pl. 7. *Engr. Pap. d'Eur.* 461, a—e.

Phalæna-Noctua typica, *Linn. Faun. Suec.* 1195. *Gmel. ed. Syst. Nat.* i. 5, 2576, 186.

Noctua typica, *Fabr. Sp. Ins.* ii. 233, 120; *Mant. Ins.* ii. 170, 234; *Ent. Syst.* iii. 2, 99, 293. *Wien. Verz.* 82, 4. *Esp. Schmett.* iv. pl. 173, f. 1—4. *Bork. Eur. Schmett.* iv. 402, 162. *Brahm, Ins.* 48, 74. *Haw. Lep. Brit.* 99. *Dup. Lép. Fr.* vi. pl. 90, f. 1. *Meig. Syst. Besch.* iii. 104, 40, pl. 97, f. 1.

Noctua excusa, *Esp. Schmett.* iv. pl. 197, f. 1—3.

Noctua venosa, *Hübn. Eur. Schmett. Noct.* pl. 13, f. 61.

Hadena typica, *Hübn. Verz. Schmett.* 216, 2152.

Mania typica, *Treit. Schmett.* v. 298, 2. *Boisd. Ind. Méth.* 100, 751. *Guen. Noct.* ii. 417, 1286.

Nænia typica, *Steph. Ill. Brit. Ent. Haust.* ii. 166.

a. England. Presented by H. Doubleday, Esq.
b—q. England. From Mr. Stephens' collection.
r—t. England.
v—x. Europe. From M. Becker's collection.
y. United States. Presented by E. Doubleday, Esq.

Genus 5. MORMO.

Corpus robustum. Proboscis mediocriter longa. Palpi oblique ascendentes; articulus 2us validus, pilosus; 3us minutus, longi-conicus. Antennæ simplices, corporis dimidio longiores. Thorax cristatus. Abdomen cristatum. Pedes longiusculi; tibiæ posticæ calcaribus longis. Alæ latæ, denticulis exterioribus bene determinatis; anticæ apud costam vix convexæ, apice rotundatæ, margine exteriore perparum obliquo; posticæ abdomen superantes.

Mormo, p., *Ochs. Syst.* iv. 70; *Steph.*
Mania, p., *Treit. Schmett.* v. 294; *Boisd.*; *Guen.*

Body stout. Proboscis moderately long. Palpi obliquely ascending; second joint stout, pilose; third elongate-conical, not more than one-fourth of the length of the second. Antennæ simple, more than half the length of the body. Thorax crested. Abdomen crested, not extending so far as the hind wings. Legs rather long; hind tibiæ with long spurs. Wings broad, strongly denticulated along the exterior border. Fore wings very slightly convex along the costa, somewhat rounded at the tips; exterior border very slightly oblique.

1. Mormo maura.

Nigro-fusca; alæ anticæ basi, costa fasciisque duabus (una exteriore, altera marginali) cinereo-fuscis, maculis costalibus nigris, guttis costalibus subapicalibus pallidis, orbiculari et reniformi bene determinatis pallido marginatis; posticæ fasciis duabus (exteriore incompleta) ciliisque pallidis.

——— ———, *Schæff. Icon.* pl. 1, f. 5, 6. *Harr. Ins. Angl.* pl. 1, f. a, b. *Engr. Pap. d'Eur.* 561, a—f.

Phalæna-Noctua maura, *Linn. Syst. Nat.* ii. 843, 124. *Gmel. ed. Syst. Nat.* i. 5, 2540, 124.

Noctua maura, *Fabr. Sp. Ins.* ii. 224, 81; *Mant. Ins.* ii. 153, 134; *Ent. Syst.* iii. 2, 63, 177. *Wien. Verz.* 90, 1. *Esp. Schmett.* iv. pl. 107, f. 1. *Bork. Eur. Schmett.* iv. 1, 1. *Rossi, Faun. Etr.* 393. *Hübn. Eur. Schmett. Noct.* pl. 67, f. 326. *Frey. Beitr.* pl. 53. *God. Lép. Fr.* v. pl. 54, f. 1, 2. *Donov. Brit. Ins.* vii. pl. 230. *Haw. Lep. Brit.*

Phalæna Lemur, *Meineck. Naturf.* vi. pl. 5, f. 1.

Mormo maura, *Hübn. Verz. Schmett.* 275, 2711. *Steph. Ill. Brit. Ent. Haust.* iii. 129.

Mania maura, *Treit. Schmett.* v. 295, 1. *Meig. Handb.* 159, 30; *Syst. Besch.* iii. 213, 1, pl. 114, f. 10. *Boisd. Ind. Méth.* 100, 750. *Guen. Noct.* ii. 418, 1287.

a—c. England. Presented by H. Doubleday, Esq.
d—h. England. From Mr. Stephens' collection.
i—l. Wales. From Mr. Foxcroft's collection.
m. England.
n, o. Europe. From M. Becker's collection.
p, q. Europe. From Mr. Milne's collection.
r, s. Europe.

Fam. 2. TOXOCAMPIDÆ.

Statura mediocris aut magna. Palpi non longi; articulus 3us sæpissime non elongatus. Antennæ non pectinatæ. Thorax lævis, antice nonnunquam nigro-fuscus. Abdomen subdepressum. Pedes longiusculi, calcaribus longis. Alæ latiusculæ, integræ. *Mas.*—Antennæ sæpissime subciliatæ, subserratæ.

Amphypyridi, p., *Boisd.*; *Dup.*
Ophiusidi, p., *Boisd.*; *Dup.*
Toxocampidæ, *Guen. Noct.* ii. 419.

Species of moderate or rather large size. Palpi not long; third joint of moderate length or rather short. Antennæ not pectinated. Thorax smooth, often of a dark colour in front. Abdomen somewhat depressed. Legs rather long; hind tibiæ with long spurs. Wings rather broad, not denticulated. *Male.*—Antennæ often slightly serrated and ciliated.

A. Corpus robustum.
  A. Caput fasciculatum. - - - 1. EXOPHILA, *Guen.*
  B. Caput non fasciculatum.
    a. Palpi ascendentes. - - - 2. APOPESTES, *Hübn.*
    b. Palpi porrecti. - - - - 7. CHABUATA, *Walk.*
B. Corpus gracile.
  A. Caput non fasciculatum.
    a. Pedes sat graciles.
      a. Alæ posticæ non reflexæ. - 3. AUTOPHILA, *Hübn.*
      b. Alæ posticæ margine interiore reflexo. 5. PLECOPTERA, *Guen.*
    b. Pedes sat validi. - - - 4. TOXOCAMPA, *Guen.*
  B. Caput fasciculatum. - - 6. HERMINODES, *Guen.*

Genus 1. EXOPHILA.

Corpus robustum. Caput fasciculatum. Proboscis mediocris. Palpi vix ascendentes, caput vix superantes; articulus 3us longiconicus, 2i triente non longior. Antennæ simplices, corporis dimidio non longiores. Thorax lævis, squamosus. Abdomen depressum, alas posticas perpaullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subrectangulatæ, margine exteriore non obliquo.

Ophiusa, p., *Treit.*; *Boisd.*
Toxocampa, p., *Dup.*
Exophila, *Guen. Ann. Soc. Ent. Fr. Noct.* ii. 419.

Body stout. Head with a tuft in front. Proboscis moderately long. Palpi hardly ascending, scarcely extending beyond the head; third joint elongate-conical, about one-third of the length of the second. Antennæ simple, more than half the length of the body. Thorax smooth, squamose. Abdomen depressed, extending very little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, almost rectangular, but somewhat rounded at the tips; exterior border not oblique.

1. EXOPHILA RECTANGULARIS.

Cervino-albida; alæ anticæ nigro punctatæ, margine exteriore cervino; posticæ subæneæ, basi pallidiores, ciliis albidis.

Noctua rectangularis, *Hübn. Eur. Schmett.* f. 743, 744.
Ophiusa rectangularis, *Treit. Suppl.*, 156. *Boisd. Ind. Méth.* 169, 1359.
Toxocampa rectangularis, *Dup. Suppl.* iii. 602, pl. 50.
Exophila rectangularis, *Guen. Noct.* ii. 420, 1288.

a—e. Europe. From M. Becker's collection.

2. EXOPHILA? PROCLIVIS.

Ferrugineo-cervina; abdomen cinereum; alæ anticæ strigis lineaque media antice abbreviata transversis nigris, margine interiore basi pallido; posticæ cinereæ, basi ciliisque albidis.

Noctua procax, *Hübn. Eur. Schmett. Noct.* f. 510.
Asticta proclivis, *Hübn. Verz. Schmett.* 266, 2606.

Europe.

Genus 2. APOPESTES.

Corpus robustum. Proboscis mediocris. Palpi longiusculi, oblique ascendentes; articulus 2us subtus dense fasciculatus; 3us gracilis, linearis, subacuminatus, 2i dimidio non brevior. Antennæ corporis dimidio non longiores. Abdomen depressum, alas posticas perpaullo superans. Pedes longi; tibiæ posticæ calcaribus longis. Alæ latæ; anticæ nitentes, apud costam rectæ, apice vix angulatæ, margine exteriore vix obliquo. *Mas.*—Antennæ subciliatæ.

Apopestes, *Hübn. Verz. Schmett.* 275.
Amphipyra, p., *Ochs.; Treit.; Steph.*
Spintherops, *Boisd. Ind. Méth.* 98. *Guen. Noct.* ii. 421.

Body stout. Proboscis moderately long. Palpi rather long, obliquely ascending; second joint thickly tufted beneath; third slender, linear, slightly acuminated, full half the length of the second. Antennæ not more than half the length of the body. Abdomen depressed, extending very little beyond the hind wings. Legs long; hind tibiæ with long spurs. Wings broad. Fore wings shining, straight in front, hardly angular at the tips, hardly oblique along the exterior border. *Male.*—Antennæ minutely ciliated.

1. APOPESTES SPECTRUM.

Fusca; abdomen murinum; alæ anticæ fasciis undulatis guttisque marginalibus nigris, reniformis margine et fascia exteriore angulosa pallidis; posticæ murinæ.

——— ———, *Engr. Pap. d'Eur.* 562, a—d.
Noctua spectrum, *Esp. Schmett.* iv. 131, pl. 100, f. 3, 4. *Fabr. Ent. Syst.* iii. 2, 54, 151. *Bork. Eur. Schmett.* iv. 5, 2. *Hübn. Eur. Schmett. Noct.* pl. 67, f. 325. *God. Lép.* v. 105, pl. 54, f. 3. *Meig. Syst. Besch.* iii. 134, 94, pl. 103, f. 3.
Noctua Socrus, *Giorna, Cal. Ent.* 142.
Noctua Genistæ, *Vill. Ent. Linn.* 329.
Apopestes spectrum, *Hübn. Verz. Schmett.* 275, 2710.
Amphipyra spectrum, *Treit. Schmett.* v. 291, 7.
Spintherops spectrum, *Boisd. Ind. Méth.* 98, 740. *Guen. Noct.* ii. 423, 1289.

a. Tuscany. Presented by Signor Passerini.
b. Europe. From M. Becker's collection.
c—e. Ghor, East Side of the Dead Sea. Presented by H. Poole, Esq.

2. APOPESTES PHANTASMA.

Præcedenti valde affinis; cinerascens; thorax anticus nigro-fuscus; alæ anticæ lineis mediis postice magis approximatis, macula reniformi minore, lunulis marginalibus e punctis nigris.

Spintherops Phantasma, *Kindermann, Guen. Noct.* ii. 422, 1290.

Altai Mountains.

Genus 3. AUTOPHILA.

Corpus sat gracile. Proboscis breviuscula. Palpi non longi, oblique ascendentes; articulus 2us subtus pilosus; 3us 2i triente brevior aut non longior. Antennæ graciles, corporis dimidio longiores. Abdomen alas posticas vix superans. Pedes longiusculi, sat graciles; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam vix convexæ, apice subrectangulatæ, margine exteriore subconvexo vix obliquo. *Mas.* — Antennæ subciliatæ.

Autophila, *Hübn. Verz. Schmett.* 274.
Amphipyra, p., *Treit.*
Spintherops, p., *Boisd.; Guen. Noct.* ii. 421.

Body rather slender. Proboscis rather short. Palpi not long, obliquely ascending; second joint pilose beneath; third one-third or less than one-fourth of the length of the second. Antennæ slender, more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs rather long and slender; hind tibiæ with long spurs. Wings moderately broad. Fore wings hardly convex in front, obtusely rectangular at the tips, slightly convex and hardly oblique along the exterior border. *Male.*—Antennæ very minutely ciliated.

1. AUTOPHILA CATAPHANES.

Pallidissime murina; palporum articulus 3us 2i triente vix brevior; alæ anticæ nigro conspersæ, fasciis undulatis apud costam saturatioribus lunulisque marginalibus nigricantibus; posticæ pallidæ, æneo subtinctæ, fascia margineque latissimo obscurioribus.

Noctua Cataphanes, *Hübn. Eur. Schmett. Noct.* f. 559. *God. Lép. Fr.* v. 39, pl. 74.

Autophila Cataphanes, *Hübn. Verz. Schmett.* 274, 2703.
Amphipyra Cataphanes, *Treit. Schmett.* vi. 385.
Spintherops Cataphanes, *Boisd. Ind. Méth.* 98, 741. *Dup. Suppl.* iii. 199, pl. 19. *Guen. Noct.* ii. 423, 1291.

2. Autophila dilucida.

Canescens, nigro conspersa; abdomen pallidum; alæ anticæ fasciis undulatis incompletis apud costam saturatioribus margineque lato æneo-fuscis; posticæ pallidæ, margine subæneo, ciliis albidis.

Noctua dilucida, *Hübn. Eur. Schmett. Noct.* pl. 82, f. 383; pl. 121, f. 558. *Dup. Lép.* vi. 37, pl. 74, f. 3, 4. *Meig. Syst. Besch.* iii. 95, 24, pl. 95, f. 8.
Autophila dilucida, *Hübn. Verz. Schmett.* 274, 2702.
Agrotis dilucida, *Treit. Schmett.* v. 198, 36.
Amphipyra dilucida, *Treit. Schmett.* vi. 384.
Spintherops dilucida, *Boisd. Ind. Méth.* 98, 742. *Herr.-Schæff. Schmett. Eur.* ii. f. 11.

a. Europe. From M. Becker's collection.

3. Autophila ligaminosa.

Alæ subtus albæ, fascia media margineque externo latissimo nigris; anticæ subcinereæ, strigis duabus crenatis maculisque ordinariis punctiformibus nigris; posticæ basi albidæ, externe nigricantes, fascia media nigricante.

Amphipyra ligaminosa, *Eversmann, Bull. Soc. Imp. Nat. Mosc.* 1851. xxiv. No. 2, 630, 18.

Georgia, Armenia.

4. Autophila? exsiccata.

Spintherops exsiccata, *Lederer, Verhandl. Zool. Botan. Verein, in Wien.* v. 204, pl. 2, f. 12.

Beyrout.

Genus 4. TOXOCAMPA.

Corpus sat gracile. Proboscis mediocriter longa. Palpi robusti, pilosi, oblique ascendentes; articulus 3us conicus, brevis. Antennæ simplices, corporis dimidio multo longiores. Abdomen alas posticas non superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, angulo exteriore subrotundato, margine exteriore vix obliquo.

Toxocampa, *Guen. Ann. Soc. Ent. Fr.* x. 75; *Noct.* ii. 423.
Ophiusa, p., *Hübn.; Ochs.; Treit.; Boisd.*

Body rather slender. Proboscis moderately long. Palpi stout, pilose, obliquely ascending; third joint conical, not more than one fourth of the length of the second. Antennæ simple, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Wings rather broad. Fore wings straight in front, forming a somewhat rounded right angle at the tips, not oblique along the exterior border till near the interior angle.

Europe.

A. Alæ pallidæ.
A. Alæ anticæ margine fusco.
a. Alæ anticæ non fasciatæ.
a. Alæ anticæ plaga nulla discali. - Craccæ, *Wien. Verz.*
b. Alæ anticæ plaga discali. - - lusoria, *Wien. Verz.*
B. Alæ anticæ bifasciatæ. - - - Pastinum, *Treit.*
C. Alæ anticæ trifasciatæ. - - - ludicra, *Hübn.*
B. Alæ anticæ non marginatæ. - - - Viciæ, *Hübn.*
B. Alæ obscuræ. - - - - - limosa, *Treit.*

1. Toxocampa Craccæ.

Cervino-albida; caput supra et thorax anticus nigro-fusca; alæ margine lato fuscescente; anticæ fusco conspersæ, lituris costalibus fuscis, orbiculari e puncto nigro, reniformi ex parte nigra, fascia exteriore indistincta pallida; posticæ ciliis albidis.

——— ———, *Engr. Pap. d'Eur.* 602, b.

Noctua Craccæ, *Wien. Verz.* 94, 3. *Fabr. Mant. Ins.* ii. 154, 137; *Ent. Syst.* iii. 64, 180. *Bork. Eur. Schmett.* iv. 803, 370. *Hübn. Eur. Schmett. Noct.* pl. 65, f. 320; pl. 146, f. 669, 670. *God. Lép.* v. 132, pl. 55, f. 5. *Frey. Beitr.* ii. pl. 107.

Phalæna-Noctua Craccæ, *Gmel. ed. Syst. Nat.* i. 5, 2540, 1022.

Ophiusa Craccæ, *Hübn. Verz. Schmett.* 266, 2608. *Treit. Schmett.* v. 295, 4. *Meig. Syst. Besch.* iii. 206, 6, pl. 113, f. 5. *Boisd. Ind. Méth.* 169, 1358. *Herr.-Schæff. Schmett. Eur.* ii. pl. 54, f. 270.

Noctua nigricollis, *Vill. Ent. Linn.* pl. 5, f. 12.

Toxocampa Craccæ, *Guen. Noct.* ii. 425, 1293.

a. Europe. From M. Becker's collection.

2. Toxocampa Viciæ.

Pallide cervina; caput supra et thorax anticus nigro-fusca; alæ anticæ lineolis transversis strigisque submarginalibus nigricantibus, reniformi nigricante pallido venosa, fascia tenui exteriore albida; posticæ margine obscuriore.

——— ———, *Engr. Pap. d'Eur.* 602, 6.

Noctua Viciæ, *Hübn. Eur. Schmett. Noct.* f. 671—673. *Frey. Beitr.* ii. pl. 106.

Ophiusa Viciæ, *Hübn. Verz. Schmett.* 267, 2609. *Treit. Schmett.* v. 293; *Suppl.* 152. *Boisd. Ind. Méth.* 169, 1357. *Dup. Suppl.* iii. 501, pl. 43, f. 2. *Herr.-Schæff. Schmett. Eur.* ii. pl. 54, f. 271, 272.

Toxocampa Viciæ, *Guen. Noct*, ii. 425, 1294.

a, *b*. Europe. From M. Becker's collection.

3. Toxocampa Pastinum.

Cervino-albida; caput inter antennas thoraxque anticus nigro-fusca; alæ margine fuscescente; anticæ lineolis transversis nigricantibus, fasciis duabus fuscis, una interiore tenui, altera exteriore repanda, punctis marginalibus nigricantibus, orbiculari e puncto et reniformi nigro-fuscis.

——— ———, *Engr. Pap. d'Eur.* 600, a—c.

Noctua lusoria, *Haw. Lep. Brit.* 11. *Hübn. Eur. Schmett. Noct.* f. 318. *Donov. Ins. Brit.* pl. 354, f. 2. *God. Lep.* v. 130, pl. 56, f. 1.

Ophiusa lusoria, *Hübn. Verz. Schmett.* 266, 2607. *Curt. Brit. Ent.* pl. 745. *Steph. Ill. Brit. Ent. Haust.* iii. 126. *Meig. Handb.* 185, 102.
Ophiusa Pastinum, *Treit. Schmett.* v. 297, 5; *Suppl.* 153. *Frey. Beitr.* ii. pl. 95. *Meig. Syst. Besch.* iii. 205, 4, pl. 113, f. 3. *Eversm. Faun. Volg-Ural.* 342. *Boisd. Ind. Méth.* 169, 1352. *Herr.-Schæff. Schmett. Eur.* ii. pl. 48, f. 242, 243. *Hering, Ent. Zeit. Stett.* vii. 234, 3.
Toxocampa Pastinum, *Guen. Noct.* ii. 426, 1295.

a—k. England. From Mr. Stephens' collection.
l, m. England.
n, o. Europe. From Mr. Becker's collection.

4. Toxocampa lusoria.

Albida; caput inter antennas thoraxque anticus nigro-fusca; alæ anticæ lineolis transversis nigricantibus, costa plaga discali margineque lato exteriore fuscescente-cervinis, orbiculari e gutta et reniformi postice dilatata nigro-fuscis; posticæ cervino-albidæ, margine lato fuscescente.

——— ———, *Réaum. Ins.* i. pl. 14, f. 10.
Noctua lusoria, *Wien. Verz.* 94, 2. *Fabr. Ins.* ii. 153, 136; *Ent. Syst.* iii. 64, 179. *Bork. Eur. Schmett.* iv. 802, 369. *Hübn. Eur. Schmett. Noct.* pl. 65, f. 318. *Frey. Beitr.* iii. pl. 197.
Bombyx lusoria, *Esp. Schmett.* iii. pl. 68, f. 4.
Phalæna-Bombyx lusoria, *Gmel. ed. Syst. Nat.* i. 5, 2441, 74.
Ophiusa lusoria, *Hübn. Verz. Schmett.* 266, 2607. *Treit. Schmett.* v. 289, 1; *Suppl.* 151. *Meig. Syst. Besch.* iii. 204, 3, pl. 113, f. 2. *Boisd. Ind. Méth.* 169, 1353.
Ophiusa Orobi, *Herr.-Schæff. Schmett. Eur.* ii. pl. 48, f. 240.
Toxocampa lusoria, *Guen. Noct.* ii. 426, 1296.

a. England.
b—e. Europe. From M. Becker's collection.
f. Nice. From Dr. Leach's collection.
g. ———?

5. Toxocampa Astragali.

Albida; caput et thorax anticus fusca; alæ anticæ glaucescente suffusæ, linea submarginali apud costam dilatata, gutta discali strigaque apud maculam reniformem nigris; posticæ subtestaceæ, fascia margineque pallide cinereis.

Ophiusa Astragali, *Ramb. Faune Andal.* *Boisd. Ind. Méth.* 169, 1354. *Herr.-Schæff. Schmett. Eur.* pl. 54, f. 269.
Toxocampa Astragali, *Guen. Noct.* ii. 427, 1297.

South Spain.

6. Toxocampa ludicra.

Albida; caput inter antennas et thorax anticus nigro-fusca; alæ margine lato fuscescente; anticæ lineolis transversis nigricantibus, fasciis tribus fuscis, exteriore apud costam nigro-fusca, orbiculari obsoleta, reniformi fusca ex parte nigro-fusca.

Noctua ludicra, *Hübn. Eur. Schmett. Noct.* pl. 65, f. 319. *God. Lép.* v. 128, pl. 56, f. 2.
Ophiusa ludicra, *Hübn. Verz. Schmett.* 267, 2610. *Treit. Schmett.* v. 292, 2. *Meig. Syst. Besch.* iii. 205, 5, pl. 113, f. 4. *Boisd. Ind. Méth.* 169, 1355. *Herr.-Schæff. Schmett. Eur.* ii. pl. 48, f. 241.
Toxocampa ludicra, *Guen. Noct.* ii. 427, 1298.

a. Europe. From M. Becker's collection.

7. Toxocampa limosa.

Cinereo-fusca; thorax anticus niger; abdomen cinereum; alæ anticæ apud costam nigricantes, lineolis transversis lunulisque marginalibus nigris; posticæ cinereæ, margine latissimo nigricante.

——— ———, *Engr. Pap. d'Eur.* 602, a.
Ophiusa limosa, *Treit. Schmett.* v. 298. *Boisd. Ind. Méth.* 169, 1351. *Herr.-Schæff. Schmett. Eur.* ii. pl. 48, f. 244.
Noctua limosa, *Frey. Neue Beitr.* iii. pl. 233; *Beitr.* pl. 98.
Toxocampa limosa, *Guen. Noct.* ii. 428, 1299.

Hungary.

a, *b*. Europe. From M. Becker's collection.

South America.

8. Toxocampa? concors.

Fœm. *Fusca; abdomen cervinum; alæ anticæ cervino-fuscæ, ocellis duobus, 2o gemino, fasciaque submarginali lineis albidis intersecta, guttisque marginalibus nigris; posticæ testaceæ.*

Ophiusa concors (Noctua semigeometra, Ascalapha frequens), *Hübn. Samml. Exot. Schmett.* ii. 22, 158, f. 315, 316.
Clytia concors, *Hübn. Verz. Schmett.* 267, 2612.
Surinam.

South Africa.

9. Toxocampa salax.

Mas. *Cinereo-fusca; pedes pilosissimi; alæ anticæ oblongæ, non falcatæ, striis obscurioribus, lineis nullis distinctis, reniformi e punctis duobus aut tribus nigricantibus, lunulis marginalibus, margine exteriore rotundato; posticæ cinereæ, basi ciliisque pallidioribus.*

Toxocampa salax, *Guen. Noct.* ii. 428, 1300.
Cape.

10. Toxocampa Troberti.

Pallide testaceo-cinerea; alæ anticæ integræ, non falcatæ, strigis nonnullis transversis, lineis nullis, reniformi e striga parva maculisque duabus trigonis costalibus nigris, margine exteriore saturatiore rotundato; posticæ nigro-cinereæ, basi pallidiores. Fœm.—*Alæ anticæ strigis transversis bene determinatis.*

Toxocampa Troberti, *Guen. Noct.* ii. 429, 1301.
Isles of Cape Verde.

Asia.

11. Toxocampa costimacula.

Sordide flavo-cinerea; caput et thorax anticus nigro-fusca; alæ anticæ acutæ, subfalcatæ, fusco conspersæ, lineis vix distinctis, maculis tribus costalibus velutinis nigro-fuscis; posticæ fascia lata submarginali nigricante. Mas.—*Pedes pilosissimi, flavescentes; antici nigro-fusci.* Fœm.—*Pedes fusci.*

Toxocampa costimacula, *Guen. Noct.* ii. 429, 1302.
Silhet.

12. TOXOCAMPA METASPILA.

Fœm. *Cervina ; palporum articulus 3us lanceolatus, 2i dimidio non brevior ; tegulæ nigro-fusco marginatæ ; alæ anticæ ex parte cinereo subnebulosæ, lineolis plurimis interruptis transversis undulatis nigricantibus, macula postica interiore nigra, linea recta exteriore pallida albido punctata, strigis submarginalibus ferrugineis, guttis marginalibus nigris ; posticæ pallidiores, fascia margineque lato cinereis.*

Female. Fawn-colour. Third joint of the palpi lanceolate, about half the length of the first. Tegulæ of the thorax with blackish brown borders. Fore wings partly and slightly clouded with gray, with many slight interrupted transverse undulating blackish lines, with a black spot near the base of the interior border, with a pale straight exterior line which contains some whitish dots, and is accompanied on the outer side by some ferruginous streaks, and with a row of marginal black dots. Hind wings pale fawn-colour, with a cinereous band and a broad cinereous border. Length of the body 7 lines ; of the wings 18 lines.

a. Ceylon. From Mr. Stevens' collection.

Genus 5. PLECOPTERA.

Mas. Corpus gracile. Proboscis mediocriter longa. Palpi graciles, breviusculi, oblique ascendentes ; articulus 3us minimus. Antennæ ciliatæ, subserratæ, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles ; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore mediocriter obliquo ; posticæ margine interiore late reflexo.

Plecoptera, *Guen. Noct.* ii. 429.

Male. Body slender. Proboscis moderately long. Palpi slender, rather short, obliquely ascending ; third joint very minute. Antennæ ciliated, minutely serrated, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender ; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight in front, somewhat rounded at the tips, moderately oblique along the exterior border. Hind wings with the interior border deeply reflexed.

1. PLECOPTERA REFLEXA.

Cinereo-ferruginea; caput supra et thorax anticus luteo-fusca; alæ anticæ lineis transversis undulatis ex parte cinereo marginatis, guttis duabus nigricantibus punctisque exterioribus albidis costalibus, punctis marginalibus nigris; posticæ cinereo-fuscæ, ciliis testaceis.

Plecoptera reflexa, *Guen. Noct.* ii. 431, 1303.

Hindostan.

Genus 6. HERMINODES.

Corpus sat gracile. Frontis fasciculus bene determinatus. Proboscis brevis, gracilis. Palpi ascendentes, compressi; articulus 2us arcuatus, hirsutus, latissimus; 3us obtusus, villosus brevissimus. Antennæ graciles, corporis dimidio multo longiores. Thorax rotundatus. Abdomen læve, alas posticas perpaullo superans. Pedes longi; tibiæ compressæ, pilosæ, calcaribus longissimis. Alæ latæ non denticulatæ; anticæ apud costam vix convexæ, apice subacuminatæ, margine exteriore parum obliquo. *Mas.*—Antennæ crenulatæ, ciliatæ.

Herminodes, *Guen. Noct.* ii. 431.

Body rather slender. Front with a prominent tuft. Proboscis short, slender. Palpi ascending, compressed; second joint curved, very broad, hirsute; third obtuse, villose, extremely short. Antennæ slender, much more than half the length of the body. Thorax rounded. Abdomen smooth, extending very little beyond the hind wings. Legs long; tibiæ compressed, pilose, with very long spurs. Wings broad, not denticulate. Fore wings hardly convex in front, somewhat rounded at the tips, slightly oblique along the exterior border. *Male.*—Antennæ crenulated, ciliated.

1. HERMINODES NIGRIPALPIS.

Ochraceo-cinerea; palpi nigro-fusci; abdomen basi fulvescens; alæ anticæ rufescente conspersæ, macula reniformi parva bene determinata lineaque transversa exteriore ferrugineo-fuscis, punctis trigonis marginalibus fuscis; posticæ nigro-fuscæ, ciliis pallidioribus.

Herminodes nigripalpis, *Guen. Noct.* ii. 431, 1304.

Cayenne.

a. Brazil. From Mr. Argent's collection.

2. HERMINODES BILIGULA.

Cinerascens; caput et thorax antice nigro-fusca; alæ anticæ squamis nonnullis fuscis lineisque duabus transversis rectis parallelis una fusca, altera flava, punctis marginalibus fuscis.

Herminodes biligula, *Guen. Noct.* ii. 432, 1305.

Cayenne.

3. HERMINODES MUFFULA.

Fœm. *Cinerascens; caput et prothorax flavescente-rufa; alæ anticæ violaceo-cinereæ, extus violaceo-fuscæ fusco conspersæ, orbiculari punctiformi pallido marginata inter maculas duas saturate fuscas, reniformi indistincta, lineis transversis media et submarginali valde flexis; posticæ fuscæ.*

Herminodes Muffula, *Guen. Noct.* ii. 432, 1306.

Cayenne.

Genus 7. CHABUATA.

Mas. Corpus robustum. Proboscis mediocriter longa. Palpi porrecti, validi, pilosi; articulus 3us cylindricus, 2i dimidio non brevior. Antennæ subsetosæ, corporis dimidio longiores. Abdomen alas posticas perpaullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ sat latæ; anticæ apud costam subrectæ, apice acutæ et rectangulatæ, margine exteriore subconvexo vix obliquo.

Male. Body stout. Proboscis moderately long. Palpi porrect, stout, pilose; third joint cylindrical, much more slender than the second, and about half its length. Antennæ very minutely setose, more than half the length of the body. Abdomen extending very little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings almost straight along the costa, acute and rectangular at the tips; exterior border slightly convex and hardly oblique.

1. CHABUATA AMPLA.

Mas. *Fuscescente-cinerea; alæ anticæ fusco subconspersæ, macula reniformi testacea ex parte ferrugineo marginata, linea submarginali e maculis nonnullis ferrugineis, guttis marginalibus fuscis; posticæ æneo-fuscæ, ciliis pallidis.*

Male. Brownish cinereous. Fore wings slightly speckled with brown; reniform spot testaceous, its border partly ferruginous; submarginal line irregular and incomplete, composed of a few ferruginous spots; a row of brown marginal dots. Hind wings æneous-brown, with pale ciliæ. Length of the body 8 lines; of the wings 20 lines.

Brazil. In Mr. Saunders' collection.

Fam. 3. STILBIDÆ.

Palpi remoti, squamosi, articulis vix distinctis. Thorax brevis, globulosus, squamosus, lævis. *Mas.*—Abdomen gracile. *Fœm.*—Abdomen fusiforme, incrassatum.

Stilbidæ, *Guen. Noct.* ii. 433.

Palpi remote, squamose; the joints hardly distinct. Thorax short, globose, squamose, smooth. *Male.*—Abdomen slender. *Female.*—Abdomen fusiform, incrassated.

Genus 1. STILBIA.

Corpus gracile. Proboscis brevis, gracilis. Palpi breves, graciles, subascendentes; articulus 3us minutus, conicus. Antennæ corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles, longiusculi; tibiæ posticæ calcaribus sat longis. Alæ angustæ, longiusculæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore perobliquo. *Mas.*—Antennæ subcrenulatæ.

Stilbia, *Steph. Ill. Brit. Ent. Haust.* iii. 124; *Boisd.; Dup.; Guen. Noct.* ii. 433.

Body slender. Proboscis short, slender. Palpi short, slender, slightly ascending; third joint minute, conical. Antennæ more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender, rather long; hind tibiæ with moderately long spurs. Wings narrow, rather long. Fore wings straight along the costa, rounded at the tips; exterior border very oblique. *Male.*—Antennæ minutely crenulated.

1. Stilbia anomala.

Nigro-cinerea; abdomen pallide cinereum aut albidum; alæ anticæ lineis duabus transversis angulosis strigaque lata inter maculas nigris, maculis nigro marginatis, orbiculari elongata obliqua, reniformi extus excavata, linea submarginali indistincta; posticæ pallide cinereæ aut albidæ, linea obscura subobsoleta.

Phytometra anomala, *Haw. Ent. Trans.* i. 336.
Geometra hybridata, *Hübn. Eur. Schmett. Geom.* pl. 94, f. 497, 498.
Caradrina stagnicola, *Ochs. Treit. Schmett.* v. 258.
Stilbia anomalata, *Steph. Ill. Brit. Ent. Haust.* iii. 125. *Curt. Brit. Ent.* xiv. pl. 631.
Ophiusa? Lathyri, *Boisd. Gen. et. Ind. Méth.* 99.
Stilbia stagnicola, *Graslin, Ann. Soc. Ent. Fr.* xi. 303, pl. 13, f. 1—7. *Guen. Noct.* ii. 434, 1307.

a—j. England. From Mr. Stephens' collection.
k. England.
l. Scotland. From Mr. Stevens' collection.
m. Europe. From M. Becker's collection.

2. Stilbia Philopalis.

Minor; alæ anticæ cinereæ, ad basim rufulæ ad extremum lineis tribus nigris, lineis duabus transversis nigris in medio extrinsecus denticulatis; maculis solitis magnis; posticæ subcinereæ.

Stilbia? Philopalis, *Graslin, Ann. Soc. Ent. Fr. 2nd Sér.* 413, 3, pl. 8, No. 1, f. 3.
Stilbia stagnicola, *var.?*

Marseilles.

Tribe 4. EXTENSÆ.

Statura mediocris. Palpi ascendentes, graciles; articulus 3us linearis, bene determinatus. Abdomen sæpissime cristatum. Alæ amplæ, crassæ, concolores, lituris sæpissime non diversis. *Mas.*—Antennæ setoso-crenulatæ. *Fœm.*—Antennæ simplices.

Quadrifidæ Extensæ, *Guen. Noct.* ii. 435.

Species of middle size. Palpi ascending, slender; third joint linear, well-developed, not spatulate. Abdomen generally crested.

Wings ample, stout, alike in colour, the markings also generally similar. *Male.*—Antennæ crenulate, with short bristles. *Female.*—Antennæ simple.

A. Abdomen *maris* conicum, læve, aut vix cristatum. Pedes longi, validi. - - - - - Fam. 1. POLYDESMIDÆ, *Guen.*

B. Abdomen *maris* et *fœminæ* latum, planum, cristis bene determinatis. Alæ quatuor omnino similes.
Fam. 2. HOMOPTERIDÆ, *Guen.*

C. Abdomen villosum aut cristatum, non planum. Alæ posticæ semper plus minusve diversæ.
Fam. 3. HYPOGRAMMIDÆ, *Guen.*

Fam. 1. POLYDESMIDÆ.

Statura mediocris aut minor. Palpi fere erecti; articulus 2us arcuatus, sæpe vix pilosus; 3us linearis. Thorax lævis, villosus. Abdomen longiusculum, læve, aut vix cristatum. Pedes longi, validi, pilosi. Alæ squamosæ, nebulosæ, lineis lunulatis ornatæ. *Mas.*—Antennæ e ciliis crenulatæ. Abdomen conicum. *Fœm.*—Abdomen cylindricum, subdepressum, acuminatum.

Polydesmidæ, *Guen. Noct.* ii. 436.

Size moderate, or rather small. Palpi ascending, almost vertical; second joint curved, often slightly pilose; third joint linear. Thorax smooth, villose. Abdomen rather long, smooth, or hardly crested. Legs long, stout, pilose. Wings squamose, clouded, festooned. *Male.*—Antennæ crenulate, with short bristles. Abdomen conical. *Female.*—Abdomen cylindrical, acuminated, slightly depressed.

A. Proboscis breviuscula. - - - 1. PANTYDIA, *Guen.*

B. Proboscis mediocris aut longiuscula.

A. Abdomen non cristatum.

a. Alæ anticæ lineis distinctis; posticæ bicolores.
2. PANDESMA, *Guen.*

b. Alæ quatuor concolores, lituris non diversis.
3. POLYDESMA, *Boisd.*

B. Abdomen cristatum. - - - 4. DIATENES, *Guen.*

Genus 1. PANTYDIA.

Corpus robustum. Proboscis breviuscula, sat gracilis. Palpi oblique ascendentes; articulus 2us validus, arcuatus, pilosissimus; 3us gracilis, cylindricus, 2i dimidio longior. Antennæ corporis dimidio longiores. Abdomen læve aut vix cristatum, alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longissimis Alæ latiusculæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore perparum obliquo. *Mas.*—Antennæ subserratæ, subciliatæ.

Pantydia, *Guen. Noct.* ii. 436.

Body stout. Proboscis rather short and slender. Palpi obliquely ascending, extending some distance beyond the head; second joint stout, curved, very pilose; third slender, cylindrical, more than half the length of the second. Antennæ more than half the length of the body. Abdomen smooth or hardly crested, extending a little beyond the hind wings. Legs stout; hind tibiæ with very long spurs. Wings rather broad. Fore wings straight in front, angular at the tips; exterior border but slightly oblique. *Male.*—Antennæ minutely serrated and ciliated.

1. Pantydia sparsa.

Cinerascens; palporum articulus 2us fuscus, albo lineatus; alæ anticæ viridescente subtinctæ, linea submarginali tenui subrecta pallide flava rufescente submarginata, strigis contiguis cuneatis nigris, reniformi et linea transversa e punctis nonnullis fuscis; posticæ cinereæ, linea margineque vagis nigricantibus.

Pantydia sparsa, *Guen. Noct.* ii. 437, 1308.

Australia?

2. Pantydia Diemeni.

Cinerea; palpi articulo 2o supra nigricante; thoracis tegulæ posticæ nigricantes; alæ anticæ punctis basalibus et costalibus nigris, fascia interiore nigricante, reniformi pallidiore ex parte nigricante marginata, fascia exteriore ferruginea intus maculis trigonis extus strigis lanceolatis nigris marginata; posticæ æneo-fuscæ.

Pantydia Diemeni, *Guen. Noct.* ii. 437, 1309.

Tasmania.

3. Pantydia recondita.

Pallide cinerea; palpi extus et thorax anticus nigricantes; pectus vittis duabus nigricantibus; thorax et alæ anticæ nigro subconspersæ; alæ anticæ fasciis tribus indistinctis fuscescentibus, 3a lineam pallidam includente maculisque nonnullis, nigris conjunctæ, punctis marginalibus nigricantibus; posticæ margine lato fusco.

Palpi cinereous. Palpi on the outer side and thorax in front blackish. Thorax and fore wings slightly speckled with black. Pectus with a blackish stripe on each side. Fore wings with three indistinct brownish bands, the third containing a pale line and accompanied by some black spots; a row of blackish marginal points. Hind wings with a broad brown border. Wings beneath with a broad brown border, which is darkest in the hind wings. Length of the body 7 lines; of the wings 16 lines.

a. Adelaide. Presented by the Entomological Club.
b. Australia. Presented by the late Earl of Derby.
c. Australia.

Genus 2. PANDESMA.

Corpus robustum. Proboscis mediocriter longa. Palpi læves, erecti, squamosi; articulus 3us subclavatus, 2i dimidio vix brevior. Antennæ corporis dimidio non longiores. Abdomen alas posticas perpaullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore sat obliquo. *Mas.*—Antennæ ciliatæ.

Pandesma, *Guen. Noct.* ii. 438.

Body stout. Proboscis moderately long. Palpi smooth, squamose, vertical; third joint subclavate, nearly half the length of the second. Antennæ not more than half the length of the body. Abdomen extending for one-fourth of its length beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight in front, slightly rounded at the tips, moderately oblique along the exterior border. *Male.*—Antennæ ciliated.

1. Pandesma Quenavadi.

Pallide cinerea, nigro conspersa; alæ margine lato exteriore cupreo-fusco; anticæ lineis transversis undulatis antice dilatatis punctisque marginalibus nigris, punctis costalibus exterioribus albidis, macula reniformi non bene determinata; posticæ albidæ.

Pandesma Quenavadi, *Guen. Noct.* ii. 438, 1310.

Silhet.

2. Pandesma Anysa.

P. Quenavadi *similis, minor flavescente-cinerea; alæ anticæ magis denticulatæ, lunulis marginalibus distinctioribus, lineis tenuioribus saturatioribus, umbra submarginali minore; posticæ margine apud angulum ex parte flavescente-cinereo linea pallida diviso; corpus subtus pilis ochraceo-albis vestitum; pedes antici floccosi.*

Pandesma Anysa, *Guen. Noct.* ii. 439, 1311.

Hindostan.

Genus 3. POLYDESMA.

Corpus robustum. Proboscis longiuscula. Palpi ascendentes; articulus 3us lanceolatus, 2i triente brevior. Antennæ corporis dimidio multo longiores. Abdomen alas posticas paullo superans. Pedes densissime pilosi; tibiæ posticæ calcaribus quatuor longis. Alæ latiusculæ, denticulatæ; anticæ apud costam rectæ, apice subacuminatæ, margine exteriore mediocriter obliquo. *Mas.*—Antennæ setoso-serratæ. Abdomen conicum. *Fœm.* — Abdomen tumidum, obconicum.

Polydesma, *Boisd. Faune Ent. Mad. Lép.* 108. *Guen. Noct.* ii. 439.

Body stout. Proboscis rather long. Palpi ascending; third joint lanceolate, less than one-third of the length of the second. Antennæ serrate-setose, about three-fourths of the length of the body. Abdomen extending a little beyond the hind wings. Legs most densely pilose; hind tibiæ with four long spurs. Wings rather broad. Fore wings slightly acuminated, straight in front, moderately oblique along the exterior border *Male.*—Antennæ serrate, with short bristles.

1. POLYDESMA UMBRICOLA.

Ferruginosa, nigro conspersa; alæ lineis transversis denticulatis lunulisque marginalibus nigris.

Polydesma umbricola, *Boisd. Faune Ent. Mad. Bourb. et Maur. Lép.* 108, 1, pl. 13, f. 5. *Guen. Noct.* ii. 440, 1312.

a. Port Natal. From M. Becker's collection.

2. POLYDESMA NYCTERINA.

Alæ quatuor denticulatæ, fuscæ, violaceo submicantes, strigis plurimis angulatis undulatis nigris, subtus fuscæ.

Polydesma nycterina, *Boisd. Faune Ent. Mad. Bourb. et. Maur.* 109, 2, pl. 13, f. 6.

Madagascar.

3. POLYDESMA LAUDULA.

Var.? *Cinereo-cervina, nigro-fusco conspersa; alæ lunulis marginalibus nigris; anticæ apud marginem exteriorem fuscescentes, maculis costalibus nigricantibus, lineis transversis undulatis incompletis; posticæ lineis transversis minus vagis.*

Polydesma laudula, *Guen. Noct.* ii. 441, 1313.

Madagascar.

Var.? Cinereous fawn-colour, thickly speckled with blackish brown. Fore wings brownish along the exterior border, with blackish costal spots joining the undulating transverse lines, which are irregular and incomplete. Hind wings with black marginal lunules like those of the fore wings, and with the transverse lines more regular. Length of the body 9—11 lines; of the wings 20—24 lines.

a, b. Sierra Leone. Presented by the Rev. D. F. Morgan.
c. Congo. Presented by Sir J. Richardson.
d. West Africa.
e. Penang. Presented by Sir W. Norris.

4. POLYDESMA BOARMOIDES.

Pallide fusco-cinerea, fusco conspersa; alæ fasciis plurimis variis undulatis obscurioribus; caput et thorax anticus cervina; pedes antici luteo fasciculati.

Polydesma boarmoides, *Guen. Noct.* ii. 441, 1314.

a. Ceylon. Presented by R. Templeton, Esq
b. Silhet. From the Rev. J. Stainforth's collection.
c. Silhet. From Mr. Argent's collection.

5. POLYDESMA SCRIPTILIS.

P. umbricolæ *minor pallidior; palpi longissimi, supra caput recurvi; alæ anticæ apices versus concolores; posticæ linea media nigra non dentata vix sinuata.*

Polydesma scriptilis, *Guen. Noct.* ii. 442, 1315.

Silhet.

6. POLYDESMA OTIOSA.

P. umbricolæ *pallidior; alæ linea submarginali duplicata; anticæ magis rotundatæ, lituris sat distinctis, maculis costalibus saturate nigris; posticæ subtus ochraceo-flavæ sericeæ, linea marginali lunulata fusca.*

Polydesma otiosa, *Guen. Noct.* ii. 442, 1316.

Silhet.

7. POLYDESMA COLLUTRIX.

Mas. *Rubido-fusca; alæ fasciis undulosis guttisque submarginalibus nigris, marginibus subcervinis; anticæ ad costam cinereæ.*

Cœnipeta collutrix (Noctua genuina, Heliothis undulata), *Geyer, Zutr. Samml. Exot. Schmett.* 22, 443, f. 885, 886.

South Africa.

Genus 4. DIATENES.

Corpus vix robustum. Proboscis mediocriter longa. Palpi ascendentes, subereoti, non crassi; articulus 3us lanceolatus, 2i dimidio non longior. Antennæ simplices, graciles, corporis dimidio

longiores. Thorax squamosus. Abdomen subcristatum, alas posticas perpaullo superans. Pedes validi, dense pilosi; tibiæ posticæ calcaribus longissimis. Alæ mediocriter latæ, subdenticulatæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo perparum obliquo.

Diatenes, *Guen. Noct.* ii. 442.

Body hardly stout. Proboscis moderately long. Palpi ascending, almost vertical, not thick; third joint lanceolate, about half the length of the second. Antennæ simple, slender, more than half the length of the body. Thorax squamose. Abdomen slightly crested, extending very little beyond the hind wings. Legs stout; thickly pilose; hind tibiæ with very long spurs. Wings moderately broad, slightly denticulated. Fore wings straight in front; apical angle somewhat round; exterior border slightly convex, very slightly oblique.

1. Diatenes gerula.

Alæ opalino-cinereæ, subdenticulatæ, apud marginem exteriorem minus nitentes; anticæ maculis quinque costalibus cuneatis magnis nigris, 1a, 3a et 5a lineas transversas nigras sinuatas bene determinatas emittentibus, linea submarginali repanda integra nigra pallido lineata, macula reniformi annulum subrectangulatum fingente; posticæ lunula lineisque duabus discalibus.

Diatenes gerula, *Guen. Noct.* ii. 443, 1317.

Australia.

2. Diatenes aglossoides.

Cinereo-fusca; caput nigro-fuscum; palpi nigricantes; alæ lineis transversis undulatis nigricantibus pallido marginatis, lunulis marginalibus nigricantibus; anticæ maculis costalibus nigricantibus.

Diatenes aglossoides, *Guen. Noct.* ii. 443, 1318.

a. Tasmania. From Mr. A. J. Smith's collection.
b. Tasmania. Presented by R. Butler, Esq.

3. DIATENES CHALYBESCENS.

Fœm. *Violaceo-fusca; palporum articulus 3us longissimus, gracillimus, subspatulatus; abdomen subchalybeum; alæ anticæ nebulis cyaneo-chalybeis, lineis tribus transversis flexuosis nigris cervino marginatis, costa media cervina, linea intermedia duplicata, strigis submarginalibus remotis nigris fulvo marginatis; posticæ minus variæ.*

Diatenes chalybescens, *Guen. Noct.* ii. 443, 1319.

Australia?

4. DIATENES SUBSIGNATA.

Fœm. *Cinereo-fusca; abdomen cinereum; alæ fusco conspersæ, fasciis tribus indistinctis subundulatis, guttis submarginalibus nigris; anticæ maculis orbiculari et reniformi subobsoletis.*

Female. Cinereous-brown. Abdomen cinereous. Wings sprinkled with brown points, which, by their confluence, form three indistinct slightly undulating bands, the third one a little more distinct than the others; a row of submarginal black dots Fore wings with the orbicular and reniform spots almost obsolete. Length of the body 7 lines; of the wings 16 lines.

a. Australia. Presented by J. Hunter, Esq.

Fam. 2. HOMOPTERIDÆ.

Statura sæpissime mediocris. Corpus robustum. Proboscis mediocris. Palpi longi, ascendentes; articulus 3us longus, linearis. Antennæ ciliato-crenulatæ. Thorax tegulis remotis. Abdomen cristatum, crista basali magna. Pedes validi, pilosi. Alæ quatuor concolores, lituris non diversis, ciliis latis. *Mas.*—Antennæ ciliis plurimis. *Fœm.*—Antennæ ciliis paucis.

Homopteridæ, *Boisd. Faune Mad.* 108. *Guen. Noct.* iii. 1.

Species generally of middle size. Body robust. Proboscis of moderate length. Palpi long, ascending; third joint long, linear. Antennæ crenulate, with very short ciliæ. Thorax with the lappets remote, often hooped at the tips. Abdomen with crests, of which the basal one is the largest. Legs stout, pilose; hind tibiæ with long spurs. Wings moderately broad, generally alike in colour and with similar markings; ciliæ broad. *Male.*—Antennæ with many ciliæ. *Female.*—Antennæ with few ciliæ.

A. Thorax rotundatus aut subrotundatus.
A. Palpi articulo 3o longo. - - 1. PHÆOCYMA, *Hübn.*
B. Palpi articulo 3o brevi aut mediocri. 6. ANTHRACIA, *Hübn.*
B. Thorax quadratus.
A. Antennæ non crenulatæ. - - - 2. ALAMIS, *Guen.*
B. Antennæ crenulatæ.
a. Palpi articulo 3o acuto. - - - 3. XYLIS, *Guen.*
b. Palpi articulo 3o obtuso.
a. Palpi articulo 3o longiore.
i. Antennæ longæ. - - 4. HOMOPTERA, *Boisd.*
ii. Antennæ breviusculæ. - - 7. DUGARIA, *Walk.*
b. Palpi articulo 3o breviore.
i. Abdomen cristatum. - - - 5. YPSIA, *Guen.*
ii. Abdomen non cristatum. - 8. CORTYTA, *Walk.*

Genus 1. PHÆOCYMA.

Corpus vix robustum. Caput parvum. Palpi erecti, sat graciles; articulus 3us longus, linearis, obtusus. Antennæ longæ. Thorax rotundatus. Abdomen glabrum, subdepressum, subcarinatum, subcristatum, acutum, alas posticas triente superans. Alæ concolores, denticulatæ; anticæ apice acutæ, maculis distinctis. *Mas.*—Antennæ crenulatæ, ciliis brevissimis. *Fœm.*—Oculi minimi, approximati.

Phæocyma, *Hübn. Verz. Schmett.* 275; *Guen. Noct.* iii. 2.

Body hardly stout. Head small. Palpi vertical, rather slender; third joint long, linear, obtuse. Antennæ long. Thorax globose. Abdomen smooth, acute, slightly depressed, slightly keeled, slightly crested, extending for one-third of its length beyond the hind wings. Wings alike in colour, denticulate. Fore wings acute at the tips, slightly denticulate along the exterior border, with the usual spots distinct. *Male.*—Antennæ crenulate, with very short ciliæ. *Female.*—Eyes approximate, very small.

1. PHÆOCYMA LUNIFERA.

Ferrugineo-fusca; alæ anticæ ocello medio strigisque variis transversis pallidioribus, fasciaque lata ante media pallide cinerea; posticæ bifasciatæ.

Phæocyma lunifera (Noctua semigeometra, Lemur ascendens), *Hübn. Samml. Exot. Schmett.* i. 19, 49, f. 97, 98; *Verz. Schmett.* 275, 2706; *Guen. Noct.* iii. 3.

Georgia. Florida.

2. PHÆOCYMA? FLUCTUARIS.

Ochraceo-ferruginea; alæ nigro-glaucescente ex parte tinctæ, lineis variis obliquis pallidioribus, guttis marginalibus glaucis; anticæ gutta discali alba.

Noctua fluctuaris, *Hübn. Eur. Schmett.* iii. f. 449.
Phæocyma fluctuaris, *Hübn. Verz. Schmett.* 275, 2705.

Europe.

Genus 2. ALAMIS.

Corpus robustum. Proboscis mediocriter longa. Palpi erecti; articulus 3us cylindricus, 2i dimidio non brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non aut paullo superans. Pedes validi; tibiæ posticæ calcaribus vix longis. Alæ quatuor subsimiles, mediocriter latæ, subdenticulatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Alamis, *Guen. Noct.* iii. 3.

Body stout. Proboscis moderately long. Palpi ascending, vertical; third joint cylindrical, full half the length of the second. Antennæ simple, more than half the length of the body. Abdomen not or hardly extending beyond the hind wings. Legs stout; hind tibiæ with moderately long spurs. Wings moderately broad, slightly denticulated, much alike in markings. Fore wings straight along the costa, rounded at the tips, rather oblique along the exterior border.

Europe.

1. ALAMIS ALBIDENS.

Canescens; alæ lineis plurimis obliquis cinereis unaque angulosa nigra, linea marginali guttulari nigra; anticæ linea interiore nigra, macula reniformi conspicua albido marginata.

Noctua albidens, *Herr.-Schæff. Schmett. Eur.* pl. 59, f. 295.
Geometra albidentaria, *Frey. N. Beitr.* iv. pl. 354, f. 1.
Alamis albidens, *Guen. Noct.* iii. 5, 1325.

South Russia.

South America.

2. Alamis polioides.

Cinerascens; palporum articulus 2us hirsutus; abdomen vix depressum; alæ nigricante conspersæ, valde dentatæ, ciliis longis squamosis; anticæ lineis tribus distinctis, interiore rufescente vaga arcuata, media tenui nigra sinuata denticulata, submarginali pallida, strigis marginalibus nigris, macula reniformi e puncto nigro; posticæ lineis duabus vagis subrectis.

Alamis Polioides, *Guen. Noct.* iii. 5, 1324.

Chili.

Africa.

3. Alamis mendax.

Mas. *Fusca, subtus cinerea; caput fasciculatum; antennæ validæ, serratæ, ciliatæ; abdomen nigro cristatum; pedes pilosissimi; alæ anticæ fasciis undulatis obliquis, obscurioribus et pallidioribus, apud costam nigro-fuscæ, macula costali subapicali nigricante fasciaque submarginali duplicata undulata connexis, guttis lineaque submarginali denticulata nigris, linea marginali undulata albida.*

Male. Brown, stout, cinereous beneath. Head tufted between the antennæ. Antennæ stout, very distinctly ciliated and serrated. Abdomen with blackish crests. Legs very thickly pilose. Fore wings with undulating oblique alternately darker and paler bands, mostly dark brown along the costa, and with a blackish costal subapical spot, which joins the double submarginal undulating band; the latter has some black dots along its outer side; a submarginal denticulate black line, and a marginal undulating whitish line; these lines also appear on the hind wings, in which the other marks are indistinct, except the double almost straight submarginal brown line. Length of the body 7 lines; of the wings 16 lines.

a. Port Natal. From Mr. Plant's collection.

4. ALAMIS DEDUCTA.

Mas. *Cinereo-fusea, nigricante conspersa; palporum articulus 3us 2i triente longior; thorax vix fasciatus; alæ anticæ lineis duabus duplicatis unaque simplici exteriore undulatis nigricantibus, fascia undulata fusca extus pallido marginata, lunulis marginalibus nigris; posticæ basi pallidæ lituris obsoletis.*

Male. Cinereous-brown, with blackish speckles. Third joint of the palpi more than one-third of the length of the second. Thorax hardly banded. Fore wings with two double undulating blackish lines, and with a single exterior blackish undulating line, which is obsolete hindward; beyond the latter there is an undulating brown band which has a pale exterior border; marginal lunules black. Hind wings towards the base pale and with the markings obsolete. Length of the body 7 lines; of the wings 18 lines.

Port Natal. In Mr. Saunders' collection.

5. ALAMIS SEMIFIMBRIA.

Fœm. *Ferrugineo-fusca; caput et thorax albo subconspersa; abdomen cinereum; alæ anticæ e punctis guttis maculisque albis subfasciatæ, macula orbiculari e gutta nigra albido marginata, guttis marginalibus albis; posticæ fuscæ, basi cinereæ, e guttis albis subfasciatæ, guttis marginalibus albis.*

Female. Ferruginous-brown, paler beneath. Head and thorax slightly sprinkled with white. Joints of the palpi with pale tips. Abdomen cinereous. Fore wings with somewhat pearly-white flecks and dots and spots which form four or five irregular diffuse and incomplete bands, the fourth broader and more distinct than the others; orbicular spot represented by a black whitish-bordered dot; a row of white marginal dots. Hind wings brown, cinereous towards the base, with some white dots, which form an incomplete band, and with white marginal dots which are smaller than those of the fore wings. Length of the body 8¼ lines; of the wings 20 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asia.

A. Alæ anticæ albido fasciatæ. - - - albicincta, *Guen.*
B. Alæ anticæ albido non fasciatæ.
A. Alæ anticæ glaucescentes. - - glaucinans, *Guen.*
B. Alæ anticæ non glaucescentes.
a. Alæ anticæ lineis viridescentibus. - hypophæa, *Guen.*
b. Alæ anticæ lineis nullis viridescentibus.
a. Alæ anticæ lineis lunulisque nigris.
i. Palporum articulus 3us elongatus. umbrina, *Guen.*
ii. Palporum articulus 3us brevis. - brevipalpis, *Walk.*
iii. Alæ anticæ lineis nullis nigris. - spoliata, *Walk.*

6. Alamis umbrina.

Cervino-fusca, subtus canescens; thorax nigricante varius; alæ fasciis cinereo-nigricantibus, lineis transversis undulatis lunulisque marginalibus nigris.

Alamis umbrina, *Guen. Noct.* iii. 4, 1321.

a. North Hindostan. Presented by General Hearsay.

7. Alamis albicincta.

Fusca, subtus testaceo-cinerea; abdomen nigro cristatum; alæ lineis transversis undulatis obscurioribus indistinctis, fascia submarginali angulosa albida; anticæ fascia interiore diffusa et reniformis margine albidis.

Alamis albicincta, *Guen. Noct.* iii. 4, 1322.

Silhet.

a. North Hindostan. From Mr. Stevens' collection.

8. Alamis hypophæa.

Mas. *Ochraceo-fusca; abdomen quinque cristatum; pedes pilosissimi, antici ochracei fasciculo nigricante; alæ subdentatæ, lineis plurimis obscurioribus transversis undulatis; anticæ apice productæ, margine exteriore obliquo non dentato nec rotundato, lineis duabus nigris remotis parallelis, interiore lineis nebulosis nigro-cinereis subviridescentibus marginata, exteriore et linea parallela apud costam dilatata approximatis, submarginali vix conspicua, reniformi e punctis duobus pallidis.*

Alamis hypophæa, *Guen. Noct.* iii. 4, 1323.
Hindostan.

9. Alamis glaucinans.

Mas. *Testaceo-fusca; abdomen depressum, rectangulatum, valde cristatum; pedes antici valde lanuginosi; alæ subdentatæ, lineis plurimis obscurioribus parallelis, linea exteriore tenui nigra magis conspicua, litura extus laciniata maculisque tribus nigro-cinereis, linea submarginali rufescente pallidissima, striga apicali nigricante, reniformi nigricante submarginata, linea lunulata lineaque marginali pallida parallelis; posticæ lineis parallelis, duabus obscurioribus subrectis magis conspicuis.*

Alamis glaucinans, *Guen. Noct.* iii. 6, 1326.
Silhet.

10. Alamis Ligilla.

Pallide testaceo-fusca; abdomen depressum, rectangulatum, cristis validis, segmento 2o bicristato; alæ subdenticulatæ, strigis lineisque plurimis obscurioribus; anticæ linea undulata maculisque exterioribus nigris, linea parallela rufescente, linea submarginali lunulata nigra, linea marginali pallida, macula reniformi albo punctata nigro marginata.

Alamis Ligilla, *Guen. Noct.* iii. 6, 1327.
Java.

11. Alamis? spoliata.

Fœm. *Fusca, subtus pallide cinerea; abdomen subcristatum; pedes sat graciles, vix pilosi; alæ anticæ lituris costalibus et discalibus pallide cinereis, fasciis indistinctis undulatis obscure fuscis, macula reniformi cinereo marginata, lunulis marginalibus obscure fuscis.*

Female. Brown, pale cinereous beneath. Third joint of the palpi rather shorter than in most species. Abdomen slightly crested. Legs rather slender, hardly pilose. Fore wings with some slight pale cinereous marks along the costa and along the indistinct undulating dark brown bands; reniform spot with a slight pale cinereous border; a row of dark brown marginal lunules. Hind wings with the ciliæ whitish along the fore part of the exterior border. Length of the body 6 lines; of the wings 16 lines.

a. Hindostan. From Archdeacon Clerk's collection.

12. ALAMIS BREVIPALPIS.

Mas. *Pallide cinerea, fusco conspersa; caput supra fuscescens; palporum articulus 3us 2i triente non longior; alæ lineis nonnullis transversis incompletis undulatis apud costam distinctioribus et subdilatatis, linea exteriore undulata fusca pallido marginata, lunulis marginalibus attenuatis nigris.*

Male. Pale cinereous, speckled above with brown. Head brownish above. Third joint of the palpi not more than one-third of the length of the second. Wings with some incomplete undulating transverse black lines, which are most conspicuous and slightly dilated along the costa; an exterior brown undulating line which has a pale border; marginal lunules slender, black. Hind wings with the markings hardly less distinct than those of the fore wings. Length of the body 6—7 lines; of the wings 15—17 lines.

a, b. North Hindostan. Presented by General Hearsay.

Genus 3. XYLIS.

Mas. Corpus sat robustum. Palpi erecti; articulus 2us longus, crassus; 3us linearis, validus, bicolor, acutus. Antennæ crenulatæ, ciliis sat longis, pilis intermediis pusillis. Thorax quadratus, pilosissimus, tegulis remotis. Abdomen longum, obtusum, vix depressum, alas posticas paullo superans; segmentum 1um crista arcuata; 2um hamis duabus lateralibus; 3um et sequentia cristis linearibus. Pedes validi; tibiæ pilosissimæ, intermediæ fasciculo basali sericeo longissimo. Alæ oblongæ, denticulatæ, sat amplæ; anticæ margine exteriore postico subexcavato; posticæ acute dentatæ.

Xylis, *Guen. Noct.* iii. 7.

Male. Body rather stout. Palpi erect, straight; second joint long, thick; third linear, rather stout, acute at the tip. Antennæ crenulate, with rather long bristles and with slender intermediate hairs. Thorax quadrate, very pilose; lappets remote. Abdomen long, obtuse, hardly depressed, extending a little beyond the hind wings; first segment with a curved crest; second with two lateral hooks; third and following with linear crests. Legs stout; tibiæ very pilose; intermediate tibiæ with a very long silky basal tuft. Wings oblong, denticulate, rather broad. Fore wings with the exterior border slightly excavated hindward. Hind wings with acute teeth.

1. Xylis setipes.

Ligno-fusca; alæ lineis transversis indistinctis, linea exteriore postice retracta, serie duplici submarginali strigarum nigrarum; anticæ versus marginem exteriorem pallide fuscæ, maculis vagis nigricantibus, linea nulla submarginali; posticæ disco pallide fusco, lineis duabus exterioribus denticulatis nigris.

Xylis setipes, *Guen. Noct.* iii. 7, 1328.

Brazil.

Genus 4. HOMOPTERA.

Corpus robustum. Proboscis mediocriter longa. Palpi erecti, longiusculi; articulus 3us compressus, gracilis, 2i dimidio multo longior. Antennæ simplices, corporis dimidio multo longiores. Abdomen subcristatum, alas posticas non aut vix superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ denticulatæ, longiusculæ, mediocriter latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Homoptera, *Boisd. Icon. Règn. Anim. Guen. Noct.* iii. 8.

Body stout. Proboscis moderately long. Palpi vertical, rather long; third joint compressed, slender, slightly widening towards the tip, much more than half the length of the second. Antennæ simple, much more than half the length of the body. Abdomen slightly crested, not or hardly extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings denticulated, rather long, moderately broad. Fore wings straight along the costa, rounded at the tips, rather oblique along the exterior border.

North America.

A. Alæ anticæ nigricantes.
  A. Alæ anticæ albo fasciatæ. - - - Edusa, *Drury.*
  B. Alæ anticæ albo non fasciatæ. - - Calycanthata, *Abbot.*
B. Alæ anticæ non nigricantes.
  A. Alæ anticæ plus minusve cervinæ.
    a. Thoracis discus nigricans. - - - lunata, *Drury.*
    b. Thoracis discus non nigricans.
      a. Thorax non albido fasciatus.
        i. Alæ anticæ fasciis duabus albidis. Minerea, *Drury.*

ii Alæ anticæ linea transversa albida. exhausta, *Guen.*
iii. Alæ anticæ albido non fasciatæ.
* Alæ anticæ glauco non variæ.
† Alæ anticæ plagis nullis costalibus.
obliqua, *Guen.*
†† Alæ anticæ plagis costalibus nigris.
involuta, *Walk.*
** Alæ anticæ glauco variæ. - lineosa, *Walk.*
b. Thorax albido fasciatus. - - cingulifera, *Walk.*
B. Alæ anticæ cinereæ.
A. Alæ anticæ squamis viridibus. - plenipennis, *Walk.*
B. Alæ anticæ squamis nullis viridibus.
a. Macula reniformis albida. - - integerrima, *Walk.*
b. Macula reniformis niger. - - - declarans, *Walk.*

1. Homoptera lunata.

Cervina; thoracis discus cinereo nigricans; alæ fasciis obliquis fuscis, lineis transversis obliquis nigris, fascia exteriore abbreviata nigricante, strigis marginalibus nigris; anticæ apud costam nigricantes.

Phalæna lunata, *Drury, Ins.* i. 40, pl. 20, f. 3.
Homoptera lunata, *Guen. Noct.* iii. 12, 1335.

a—e. United States. Presented by E. Doubleday, Esq.
f, g. ——— ? From Mr. Milne's collection.
h, i. St. Domingo. From Mr. Tweedie's collection.

2. Homoptera exhausta.

Lignicolora; thorax linea antica transversa nigra; alæ anticæ plagis duabus apud costam saturatioribus, fasciis duabus nigricantibus, 1a extus albido marginata, 2a arcuata abbreviata, linea intermedia angulosa nigra; posticæ fascia extus albido ex parte marginata.

Homoptera exhausta, *Guen. Noct.* iii. 14, 1337.

North America? Brazil.

a—c. St. Domingo. From Mr. Tweedie's collection.
d. St. Domingo. From Mr. Hearse's collection.

3. Homoptera Edusa.

Nigricans, thorax fascia antica atra; abdomen nigro-cinereum; alæ anticæ lineis transversis undulatis atris fasciisque tribus albidis, 1a basali, 2a interiore, 3a marginali; posticæ fascia marginali albida.

Phalæna (Noctua) Edusa, *Drury, Ins. Exot.* ii. 42, pl. 24, f. 4.
Erebus Edusa, *Westw. ed. Drury*, ii. 46, pl. 24, f. 4.
Homoptera putrescens, *Guér. Icon. Règ. Anim.* pl. 89.
Homoptera Edusa, *Guen. Noct.* iii. 14, 1338.

a, b. United States.

4. Homoptera Minerea.

Ferrugineo-lignicolora; thorax nigro fasciatus; alæ anticæ basi ex parte plagisque costalibus nigricantibus, fasciis duabus albidis, una duplicata interiore, altera lata marginali apud medium interrupta, lineis transversis undulatis duplicatis guttisque marginalibus nigris; posticæ fascia marginali abbreviata albida.

Homoptera Minerea, *Guen. Noct.* iii. 15, 1339.

a—c. United States. Presented by E. Doubleday, Esq.

5. Homoptera Calycanthata.

Nigro-picea, subtus cinerea; abdomen nigro-cinereum; alæ fascia lata marginali undulata pallida cervino punctulata; anticæ reniformis margine lineisque transversis undulatis atris.

Phalæna Calycanthata, *Abbot, Nat. Hist. Ins. Georg.* ii. 207, pl. 104.
Homoptera Calycanthata, *Guen. Noct.* iii. 15, 1340.

a. ———?

6. Homoptera obliqua.

Var.? *Lignicolora; thorax fusco varius, fascia antica nigra; alæ fuscæ, ex parte lignicolores, reniformis margine lineisque transversis obliquis undulatis nigris; anticæ fascia lata marginali interrupta pallide cervina.*

Homoptera obliqua, *Guen. Noct.* iii. 16, 1341.

a. Orilla, West Canada. From Mr. Bush's collection.

7. Homoptera involuta.

H. lunatæ *simillima, fusco lignicolora, nigro subconspersa ; thorax fascia antica nigra ; tarsi antici nigri pallido cincti ; alæ anticæ lineis duabus distinctis exterioribus undulatis nigris, plagis tribus magnis costalibus maculaque apud marginem exteriorem nigricantibus ; posticæ lineis pallidioribus.* Var. β. *—Obscurior.* Var. γ.*—Pallidior.*

Wood-brown colour, minutely speckled with black. Thorax with a slender black band in front. Fore tarsi black, with pale bands. Fore wings with the lines much like those of *H. lunata*, to which this species is very nearly allied, but may be distinguished by the two distinct exterior black undulating lines ; three large blackish costal patches ; first and second diffuse ; third more defined, and with some pale dots in front ; a large diffuse blackish spot by the middle of the exterior margin ; marginal streaks with whitish tips. Hind wings with some paler lines. *Var.* β.—Darker. Hind wings with the pale lines hardly apparent. *Var.* γ.—Fore wings much paler, with the exception of the costal patches and of two irregular and incomplete blackish bands. Length of the body 6½—7½ lines ; of the wings 18—20 lines.

a—e. United States. Presented by E. Doubleday, Esq.

8. Homoptera plenipennis.

Mas. *Cinerea ; caput et thorax nigro conspersa ; alæ anticæ ex maxima parte fuscæ, lineis transversis undulatis e punctis nigris, lituris costalibus albidis, strigis marginalibus nigris albo unipunctatis, fasciis duabus incompletis e squamis viridibus.*

Male. Cinereous. Head and thorax thickly speckled with black. Fore wings mostly brown, speckled with black, which here and there forms irregular undulating transverse lines ; some slight whitish marks along the costa, and a white dot on the tip of each black marginal streak ; a few pale green scales indicating an exterior band, and a more distinct interior band of the same hue. Hind wings much like the fore wings, but with a more distinct black band between the middle and the exterior green band ; interior green band less distinct. Length of the body 6½ lines ; of the wings 17 lines.

a. East Florida. Presented by E. Doubleday, Esq.

9. Homoptera lineosa.

Mas. *Cervina, subtus cinerea; thorax fascia antica liturisque duabus nigris; abdomen cinereum; alæ anticæ fasciis interioribus obliquis nigris et cervinis, fasciis exterioribus angustis parallelis undulatis, plaga costali nigra glauco conspersa, punctis marginalibus nigris; posticæ basi pallidæ, fascia brevi exteriore glauca.*

Male. Fawn-colour, cinereous beneath. Thorax with a black band in front, and with a black mark on each of the tegulæ. Abdomen cinereous. Fore wings with alternate oblique black and pale fawn-coloured bands from the base to beyond the middle, from whence to the tips the pale hue is only interrupted by slender parallel undulating bands which enclose between them a black glaucous-flecked costal patch; a row of black marginal dots. Hind wings much like the fore wings, but wholly pale towards the base, and with a slight short exterior glaucous band. Length of the body 7 lines; of the wings 20 lines.

a. United States. Presented by E. Doubleday, Esq.

10. Homoptera cingulifera.

Fœm. *Fusca, subtus cinerea; thorax nigro albidoque fasciatus; abdomen cinereum; alæ anticæ cinereæ, strigis plurimis transversis fasciisque duabus fuscis, macula costali subapicali nigricante, reniformi angusta albido marginata, orbiculari e gutta fusca; posticæ fasciis duabus interlineatis fuscis.*

Female. Brown, cinereous beneath. Thorax with black and whitish bands. Abdomen cinereous. Fore wings cinereous, with numerous transverse brown streaks, with a brown band near the base, and with another adjoining the inner side of the reniform spot, which is rather narrow and has a whitish border; orbicular spot indicated by a brown dot; a blackish costal subapical spot. Hind wings with two regular interlined brown bands. Length of the body 6 lines; of the wings 17 lines.

a. East Florida. Presented by E. Doubleday, Esq.

11. Homoptera declarans.

Mas. *Cinerea; caput nigro fasciatum; thorax fasciis duabus nigricantibus; abdomen albo cristatum; alæ anticæ basi fuscæ, subconspersæ, apud costam albido notatæ, lituris basalibus nigris, fascia duplicata exteriore undulata fusca, orbiculari et reniformi nigris, illa parva, striga costali albida, guttis submarginalibus nigris; posticæ fascia recta duplicata, guttis submarginalibus nigris.*

Male. Cinereous. Head with a black band. Thorax with two blackish bands, the hind one indistinct. Abdomen with minute white crests. Fore wings slightly speckled, brown with some black marks at the base, with some whitish marks along the costa, and with a double undulating exterior brown band; reniform and orbicular spots black, the latter small, the former near a whitish costal streak; a row of black submarginal dots. Hind wings with the submarginal dots like those of the fore wings, and with a straight double band. Length of the body 6 lines; of the wings 15 lines.

a. East Florida. Presented by E. Doubleday, Esq.

12. Homoptera integerrima.

Mas et fœm. *Cinerea; caput et thorax fusco fasciata; alæ anticæ nonnunquam albidæ, fasciis obscure fuscis lineisque transversis undulatis nigricantibus alternis, linea 3a strigam lanceolatam marginem versus emittente, guttis elongatis submarginalibus lunulisque marginalibus nigris, reniformi plerumque albida; posticæ cinereo-fuscæ, lineis duobus aut tribus exterioribus obscure fuscis extus albido marginatis.*

Male and female. Cinereous. Head and thorax with brown bands. Fore wings occasionally whitish, with alternate dark brown irregular bands and transverse undulating blackish lines; first band more distinct than the others; third line in the middle emitting a lanceolate streak towards the border; a row of elongated black submarginal dots, and another of black marginal lunules; reniform spot mostly whitish. Hind wings cinereous-brown, with two or three exterior dark brown lines, which have whitish outer borders. Length of the body 7—8 lines; of the wings 18—20 lines.

a—d. East Florida, Presented by E. Doubleday, Esq.

Mexico.

13. Homoptera terrosa.

Var.? *Cervino-fusca; alæ ex parte cinereo-fuscæ; anticæ linea transversa tenui angulosa nigra, fascia exteriore antice abbreviata cinerea; posticæ fascia fusca nigro marginata fasciaque exteriore repanda cinerea connexis.*

Phalæna lunata? *Cram. Pap. Exot.* iv. 38, pl. 308, f. C.
Homoptera terrosa, *Guen. Noct.* iii. 11, 1332.

Surinam. Mexico. Guadeloupe.

a. Jamaica. From Mr. Gosse's collection.

14. Homoptera configurata.

Fœm. *Ferruginea; abdomen cinereum; alæ anticæ fasciis tribus incompletis glauco viridibus unaque cinerea, reniformi nigricante glauco-viridi conspersa, linea exteriore angulosa transversa nigra extus pallido marginata, fascia 3a diffusa ex parte nigro marginata; margine exteriore cinereo punctis vittaque media ferrugineis; posticæ basi pallide cinereæ, litura apud angulum interiorem albida.*

Female. Ferruginous, pale cinereous beneath, except the outer part of the wing, which is brown. Abdomen cinereous. Fore wings with three incomplete glaucous-green bands; first and second very slight, near the base, succeeded by a cinereous band; reniform spot blackish, with some glaucous-green speckles; an exterior zigzag transverse black line, with a pale outward border, and not far from the third band, which is somewhat diffuse, and partly bordered with black; marginal space cinereous, with ferruginous speckles, and with a ferruginous middle stripe. Hind wings wholly pale cinereous at the base, with the line and the exterior band much like those of the fore wings, and with a whitish mark by the interior angle. Length of the body 8 lines; of the wings 20 lines.

Mexico. In Mr. Saunders' collection.

West Indies.

A. Alæ anticæ apud costam non pallidiores.
A. Alæ glauco-nigricantes. - - - fuliginosa, *Walk.*
B. Alæ purpurascentes. - - - terminalis, *Walk.*
C. Alæ cervinæ aut fuscescentes.
a. Alæ lineis nigricantibus. - - - infausta, *Walk.*
b. Alæ lineis fuscis. - - - - posterior, *Walk.*
B. Alæ anticæ apud costam pallidiores.
A. Alæ non cupreo tinctæ. - - - - gradata, *Walk.*
B. Alæ cupreo tinctæ.
a. Alæ anticæ flavo notatæ. - - - directa, *Walk.*
b. Alæ anticæ flavo non notatæ. - - humeralis, *Walk.*

15. Homoptera fuliginosa.

Fœm. *Fusca; thorax fascia antica nigricante; abdomen supra nigricans; tarsi nigri annulis pallidis; alæ glauco-nigricantes, lineis transversis undulatis fasciaque duplicata exteriore nigris, strigis marginalibus nigris apice pallidis; anticæ basi, lituris costalibus unaque postica ferrugineis; posticæ apud costam ferrugineæ.*

Female. Brown, pale cinereous beneath. Thorax with a black band in front. Abdomen blackish above. Tarsi black, with pale bands. Wings blackish, with a glaucous bloom, with transverse undulating black lines, with a double irregular exterior black band, and with black marginal streaks, which have pale tips. Fore wings ferruginous at the base, with ferruginous marks along the costa, and with a ferruginous mark included in the posterior part of the band. Hind wings ferruginous along the costa. Length of the body 6½ lines; of the wings 18 lines.

a. St. Domingo. From Mr. Tweedie's collection.

16. Homoptera infausta.

Mas et fœm. *Cervina, subtus cinerea; palpi apice nigricantes; alæ anticæ lineis obliquis undulatis nigricantibus, fascia exteriore gracili undulata lunulisque marginalibus nigris.*

Male and female. Dull fawn-colour, cinereous beneath. Palpi blackish towards the tips. Abdomen cinereous. Fore wings with

the usual oblique undulating blackish lines, and with an exterior slender undulating black band, and with black marginal lunules. Length of the body 4½—5 lines; of the wings 11—13 lines.

a, *b*. St. Domingo. From Mr. Tweedie's collection.

17. HOMOPTERA GRADATA.

Fœm. *Cervina, subtus pallide cinerea; thorax fasciis alternis obscurioribus et pallidioribus, linea antica transversa nigra; alæ nigro subconspersæ; anticæ fuscescentes, costa margineque exteriore cervinis, fascia posteriore arcuata guttisque submarginalibus nigricantibus; posticæ strigis transversis fasciaque exteriore fuscis, linea duplicata nigra.*

Female. Fawn-colour, pale cinereous beneath. Thorax with indistinct alternate darker and paler bands, and with a black transverse line in front. Wings slightly speckled with black. Fore wings brownish, excepting the costa and the exterior part, the latter containing a short posterior curved blackish band, and a row of submarginal blackish dots. Hind wings with slight transverse brown streaks, and with an exterior brown band, which is accompanied by a double black line. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

18. HOMOPTERA POSTERIOR.

Fœm. *Fuscescente-cervina, subtus cinerea; palpi sat graciles; alæ strigis transversis attenuatis fuscis, apud medium pallidiores; anticæ linea angulosa nigra, fascia brevi indistincta posteriore submarginali; posticæ fascia integra fusca lineaque duplicata nigra.*

Female. Brownish fawn-colour, cinereous beneath. Palpi rather slender. Wings with slight transverse brown streaks; middle part paler, except towards the costa of the fore wings, which have a black zigzag line in the pale part, and a short indistinct posterior submarginal band. Hind wings with a complete brown band corresponding to that of the fore wings, and accompanied by a double black line. Length of the body 7 lines; of the wings 20 lines.

Jamaica.

a. ——— ?

19. Homoptera terminalis.

Mas. *Obscure cinereo-fusca, nigro conspersa; palporum articulus 2us 3o quadruplo longior; abdomen apice fasciculatum; pedes sat graciles, vix pilosi; alæ purpurascentes, lineis transversis obliquis undulatis, duabus aut tribus nigris magis conspicuis, fascia submarginali fusca extus pallido marginata, linea marginali nigra undulata; anticæ gutta apicali nigra, lituris costalibus punctisque marginalibus pallidis.*

Male. Dark cinereous-brown, speckled with black. Third joint of the palpi not more than one-fourth of the length of the second. Abdomen thickly tufted at the tip. Legs rather slender, hardly pilose. Wings with a purplish tinge, and with the usual transverse oblique undulating lines, among which two or three are black and more conspicuous than the others; submarginal band brown, beyond the outermost black band, and with a pale exterior border; marginal line black, undulating, with two slight corresponding brown lines between it and the ciliæ. Fore wings with a black apical dot, with pale marks along the costa, and with a minute pale dot on each lunule of the marginal line. Length of the body 5 lines; of the wings 12 lines.

a. St. Domingo. From Mr. Tweedie's collection.

20. Homoptera directa.

Fœm. *Ferruginea; caput nigrum; palporum articulus 3us 2i dimidio multo longior; alæ cupreo tinctæ, ex parte chalybeo-nigræ, linea submarginali undulata cervina; anticæ ex parte cervinæ, litura discali pallide flava, linea exteriore nigra, lineis tribus interioribus lituris que costalibus nigricantibus; posticæ lineis interioribus subobsoletis, linea exteriore valde undulata.*

Female. Ferruginous. Head and palpi black. Third joint of the palpi much more than half the length of the second. Wings with a cupreous tinge, partly chalybeous-black; submarginal line undulating, fawn-colour, incomplete in the fore wings. Fore wings partly fawn-colour, and with a pale yellow discal mark between the irregular black exterior line and the three interior blackish lines, of which two are approximate and parallel and broader than the third; some costal blackish marks in the fawn-coloured part. Hind wings with the interior lines almost obsolete; the exterior black

lines very undulating, and more regular than that of the fore wings. Length of the body 5 lines; of the wings 13 lines.

a. St. Domingo. From Mr. Tweedie's collection.

This may be a variety of *H. humeralis*.

21. HOMOPTERA HUMERALIS.

Mas et fœm. *Nigricans; abdomen fuscum; alæ nigricante-cupreæ, linea transversa undulata nigra, linea submarginali cervina undulata ex parte nigro marginata, strigis submarginalibus nigris, lunulis marginalibus cervinis; alæ anticæ vitta lata costali cervina lituras nigricantes guttamque nigram includente.* Mas.—*Palporum articulus 3us 2i dimidio non longior; pedes antici densissime pilosi.* Fœm.—*Palporum articulus 3us 2i dimidio multo longior.*

Male and female. Blackish. Abdomen brown. Wings blackish cupreous, with an undulating black transverse line; submarginal line fawn-colour, undulating, partly and irregularly bordered with black; marginal lunules fawn-colour, a black streak between each of them and the submarginal line. Fore wings with a broad costal fawn-coloured stripe extending from the base to three-fourths of the length, containing some blackish marks and one black dot, its hind border irregular. *Male.*—Third joint of the palpi about half the length of the second. Fore legs most densely pilose. *Female.*—Third joint of the palpi much more than half the length of the second. Lengh of the body 6 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. St. Domingo. From Mr. Hearse's collection.

South America.

A. Alæ ex parte purpurascentes.
  A. Alæ anticæ litura discali pallida. - Guadulpensis, *Guen.*
  B. Alæ anticæ litura nulla discali pallida.
    A. Alæ anticæ lineis pallidis. - - - pacifica, *Walk.*
    B. Alæ anticæ lineis nullis pallidis.
      a. Alæ anticæ macula nulla apicali. - dotata, *Walk.*
      b. Alæ anticæ macula apicali nigra. - apicalis, *Walk.*
B. Alæ anticæ ex parte viridescentes.

A. Thorax cano varius. - - - - - obsita, *Guen.*
B. Thorax non canescens.
a. Thorax nigro fasciatus. - - - viridans, *Guen.*
b. Thorax nigro non fasciatus. - - - fictilis, *Guen.*
C. Alæ anticæ non purpurascentes nec viridescentes.
A. Alæ anticæ albo plagiatæ. - - sexplagiata, *Walk.*
B. Alæ anticæ albo non plagiatæ.
A. Alæ canescentes. - - - - strigimacula, *Guen.*
B. Alæ non canescentes.
A. Macula reniformis pallido marginata. - discisigna, *Walk.*
B. Macula reniformis pallido non marginata.
a. Alæ linea alba. - - - - thoracica, *Walk.*
b. Alæ linea nulla alba. - - - - simplicior, *Walk.*

22. Homoptera fictilis.

Fœm. *Ligno-fusca; alæ dentibus valde acutis; anticæ squamis pallidis apud maculam reniformem, lineis duabus medianis tenuissimis nigris, exteriore angulosa valde sinuata pallido interlineata, fascia postica submarginali viridescente-schistacea, punctis submarginalibus pallidis; posticæ vage radiatæ et strigatæ, linea submarginali subrecta tenui duplicata læte fusca, fascia lata exteriore schistaceo-fusca.*

Homoptera fictilis, *Guen. Noct.* iii. 10, 1330.

Cayenne.

23. Homoptera Guadulpensis.

Mas. *Fusca; pectus et pedes ochraceo-cinerea; alæ violaceo-fuscæ, dentibus valde acutis, linea marginali pallida; anticæ basi strigatæ, squamis pallidis apud maculam reniformem, linea mediana exteriore angulosa tenuissima, linea apud angulum interiorem arcuata violaceo-cinerea; posticæ indistincte radiatæ et strigatæ, linea submarginali duplicata nigro-fusca, gutta postica marginali nigricante.*

Homoptera Guadulpensis, *Guen. Noct.* iii. 10, 1331.
Homoptera fictilis, *Mas?*

Guadeloupe.

24. Homoptera strigimacula.

Mas. *Fusca; thorax et abdomen cristata; tegulæ valde remotæ; pedes intermedii valde lanuginosi; alæ albido-vanescente suffusæ, nigricante strigatæ, punctis vagis submarginalibus fuscis, anticæ linea mediana interiore valde obliqua, exteriore nigra tenui dentata, macula postica magna rotundata fusca.*

Homoptera strigimacula, *Guen. Noct.* iii. 11, 1333.

Pernambuco.

25. Homoptera obsita.

Var.? *Fusca; thorax cano varius, linea antica transversa nigra; abdomen cinerascens; alæ ex parte pallidissime cervina fusco conspersæ, lineis transversis angulosis nigris, fascia exteriore viridescente, fascia submarginali obscura; anticæ fascia exteriore albida.*

Homoptera obsita, *Guen. Noct.* iii. 35, 1334.

Brazil.

26. Homoptera viridans.

Var.? *Lignicolora, subtus cinerascens; thorax linea antica transversa nigra; alæ lineis transversis undulatis fuscis nonnullisque nigris, fascia exteriore albido-viridescente; anticæ fascia interiore albida; posticæ dente duplicato nigro.*

Homoptera viridans, *Guen. Noct.* iii. 13, 1336.
Phalæna lunata? *Cram. Pap. Exot.* iv. 38, pl. 308, f. C.

Brazil.

a. East Florida. Presented by E. Doubleday, Esq.

27. Homoptera sexplagiata.

Mas. *Cervina, subtus cinerea; thorax e punctis albis subfasciatus; pectus fuscum; abdomen cinereum; alæ lineis plurimis transversis undulatis nigris; anticæ fascia incompleta basali, lituris costalibus plagisque duabus magnis submarginalibus subiridescentibus albis; posticæ basi testaceæ, fascia abbreviata subfusiformi submarginali alba.*

Male. Fawn-colour, cinereous beneath. Thorax with some white speckles, which form incomplete bands. Pectus brown. Ab-

domen cinereous. Wings with numerous transverse undulating black lines. Fore wings with an incomplete white band near the base, with white marks along the costa, and with two large submarginal white indistinctly iridescent patches, forming a broad interrupted band. Hind wings with a subfusiform submarginal band like that of the fore wings in colour, shortened in front; base testaceous. Length of the body 7½ lines; of the wings 20 lines.

a. Brazil. From Mr. Stevens' collection.

28. HOMOPTERA SIMPLICIOR.

Mas. *Obscure fusca, subtus nigricante-cinerea; palpi nigricantes, articulo 3a abbreviato; thorax fascia nigra; abdomen nigro cristatum; alæ cervinæ, fusco conspersæ, fascia exteriore undulata nigro-fusca extus concisa intus diffusa, linea submarginali interrupta nigricante; anticæ costa fasciisque abbreviatis costalibus obscure fuscis.*

Male. Dark brown, blackish cinereous beneath. Palpi blackish; third joint much shorter than in most species of this genus. Thorax with a black band. Abdomen with black crests. Wings fawn-colour, thickly speckled with brown, with a blackish brown exterior undulating band, which is sharply defined on the outer side, diffuse on the inner side; an interrupted blackish submarginal line. Fore wings dark brown at the base; some patches of the same hue along the costa, descending irregularly into the disk. Length of the body 7½ lines; of the wings 18 lines.

a. Honduras. From Mr. Dyson's collection.

29. HOMOPTERA PACIFICA.

Mas. *Obscure fusca, subtus cinerea; abdomen cinereo-fuscum; alæ cupreo aut purpurascente vix suffusæ, subtus ferrugineæ; anticæ lineis nonnullis transversis undulatis nigro-fuscis ferrugineo ex parte marginatis, linea submarginali interrupta nigra; posticæ fasciis indistinctis obliquis fuscis.*

Male. Dark brown, cinereous beneath. Abdomen cinereous-brown. Wings with a slight cupreous or purplish tinge, ferruginous beneath. Fore wings with some transverse undulating blackish brown lines, which are partly bordered with ferruginous, with the cupreous tinge mostly along the exterior border, and with an interrupted submarginal black line. Hind wings with the

cupreous tinge more prevalent, with indistinct oblique brown bands, and with the submarginal line like that of the fore wings. Length of the body 9 lines; of the wings 22 lines.

a. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

30. HOMOPTERA APICALIS.

Mas. *Purpurascente-cervina; caput et palpi nigro conspersa; palporum articulus 3us 2i dimidio brevior; thorax nigro fasciatus; alæ lineis plurimis obliquis nigricantibus, lineis tribus undulatis nigris magis conspicuis, linea submarginali fuscescente pallido extus marginata, linea marginali nigra undulata; anticæ macula apicali nigra.*

Male. Fawn-colour, with a purplish tinge. Head and palpi speckled with black. Third joint of the palpi not half the length of the second. Thorax with black bands. Wings with numerous slight oblique blackish lines, and with three more distinct black undulating lines; submarginal line brownish, with a pale exterior border; marginal line black, undulating. Fore wings with a black apical spot. Length of the body 6 lines; of the wings 14 lines.

a. Honduras. From Mr. Dyson's collection.

31. HOMOPTERA DISCISIGNA.

Fuscescente-cinerea, subconspersa, sat gracilis; tarsi antici nigri albo-cincti; alæ lineis plurimis obliquis undulatis fuscis, linea exteriore media lunulisque marginalibus, linea marginali denticulata nigricante; anticæ plaga purpurascente maculaque reniformi pallido marginata contiguis.

Brownish cinereous, slightly speckled, rather slender. Fore tarsi black, with pale bands. Wings with numerous oblique undulating brown lines, with the exterior middle line black and irregular; submarginal lunules black; a denticulated marginal blackish line. Fore wings with a purplish patch between the exterior middle line and the reniform spot, which has a pale border. Length of the body 7 lines; of the wings 18 lines.

a. Honduras. From Mr. Dyson's collection.

32. Homoptera dotata.

Fœm. *Nigricante-cinerea, subtus pallida, palporum articulus 3us 2o paullo brevior; alæ purpurascentes, lineis transversis nigris paucis latis vix undulatis, media interiore apud discum dilatata.*

Female. Blackish cinereous, pale beneath. Third joint of the palpi not much shorter than the second. Thorax and wings with a purple tinge. Wings with the transverse lines black, fewer, broader and less undulating than usual, their borders rather diffuse, the interior middle one dilated, and forming a spot in the disk of each wing. Hind wings with the markings hardly different from those of the fore wings. Length of the body 5 lines; of the wings 12 lines.

a. Santarem. From Mr. Bates' collection.

33. Homoptera thoracica.

Mas. *Cervina; palporum articulus 3us brevis; antennæ validæ; thorax subfasciatus, dense vestitus; alæ nigro subconspersæ, fascia exteriore undulata obscure cervina nigro marginata, guttis marginalibus nigris, linea apud fasciam tenui alba; anticæ fascia interiore gracili undulata nigra.*

Male. Fawn-colour. Third joint of the palpi short. Antennæ stout. Thorax thickly clothed, indistinctly banded. Wings slightly speckled with black, with an exterior undulating dark fawn-coloured black-bordered band, and with black marginal dots; a slight white line along the exterior border of the band. Fore wings with a slender interior black undulating band. Length of the body 6 lines; of the wings 15 lines.

a. Bogotà. From Mr. Stevens' collection.

Asia.

A. Palporum articulus 3us brevissimus. - albopunctata, *Walk.*
B. Palporum articulus 3us elongatus.
A. Alæ anticæ plaga discali. - - - infligens, *Walk.*
B. Alæ anticæ plaga nulla discali. - - solita, *Walk.*

34. HOMOPTERA ALBOPUNCTATA.

Mas. *Fusca; palporum articulus 2us 3o quadruplo longior; thorax et abdomen albo conspersa; alæ lineis indistinctis obscurioribus, fasciis diffusis guttularibus albis, linea marginali alba, ciliis albo notatis.*

Male. Brown. Third joint of the palpi not more than one-fourth of the length of the second. Thorax and abdomen speckled with white. Wings with indistinct darker lines, and with numerous white dots, which in the fore wings form three very irregular and diffuse bands; marginal line black; ciliæ with white marks. Hind wings like the fore wings, with the exception of the interior white dots, which are obsolete. Length of the body 5 lines; of the wings 13 lines.

a. North Hindostan. From Mr. James' collection.

35. HOMOPTERA INFLIGENS.

Mas. *Cervina; palporum articulus 3us 2o paullo brevior; thorax subfasciatus; abdominis cristæ nigricantes; alæ lineis plurimis obliquis fuscis, lunulis marginalibus nigris; anticæ linea exteriore undulata nigricante, plaga magna discali fusca; posticæ linea exteriore distincta subrecta fusca.*

Male. Fawn-colour. Third joint of the palpi not much shorter than the second. Thorax indistinctly banded. Crests of the abdomen blackish. Wings with numerous slight oblique brown lines; marginal lunules black. Fore wings with a blackish undulating exterior line, near which there is a large brown discal patch. Hind wings with a distinct exterior almost straight brown line. Length of the body 6 lines; of the wings 16 lines.

a. North Hindostan. From Mr. Stevens' collection.

39. HOMOPTERA SOLITA.

Mas. *Cervina; palporum articulus 3us gracilis, 2i dimidio longior: thorax subfasciatus; alæ lineis plurimis obliquis plus minusve diffusis fuscis, linea submarginali lunulata nigra, linea pallida marginali; anticæ lineis nonnullis ex parte confluentibus, linea exteriore angulosa nigra; posticæ linea conspicua subrecta exteriore pallide fusca.*

Male. Fawn-colour. Third joint of the palpi slender, more than half the length of the second. Thorax slightly banded. Wings with numerous oblique more or less diffused brown lines, with a lunulate black submarginal line, and with a pale marginal line which is nearly parallel to the preceding one. Fore wings with a somewhat zigzag exterior black line; some of the other lines partly confluent. Hind wings with a conspicuous almost straight exterior dark brown line. Length of the body 6 lines; of the wings 14 lines.

a. Hindostan. From Archdeacon Clerk's collection.

Country unknown.

A. Alæ cupreo nitentes. - - - - costalis, *Walk.*
B. Alæ non cupreo nitentes.
A. Alæ roseo notatæ. - - - - subrosea, *Walk.*
B. Alæ roseo non notatæ.
a. Alæ anticæ violaceo tinctæ. - - - peruncta, *Guen.*
b. Alæ violaceo non tinctæ.
a. Alæ ferrugineæ.
i. Alæ anticæ cinereo fasciatæ. - aperta, *Walk.*
ii. Alæ cinereo non fasciatæ.
* Macula reniformis pallido marginata. decessa, *Walk.*
** Macula reniformis indistincta. ustipennis, *Walk.*
b. Alæ fuscæ.
i. Alæ anticæ apice non rotundatæ. - intenta, *Walk.*
ii. Alæ anticæ apice rotundatæ. - quadrisignata, *Walk.*

37. Homoptera peruncta.

(M)

Mas et fœm. *Ochraceo-fusca; alæ lineis transversis non bene determinatis, linea marginali lunulata pallidiore lineolis ovatis albidis fusco lituratis, macula schistacea, macula reniformi extus albo punctata, disco apud reniformem schistaceo-violaceo; posticæ lineis duabus magis determinatis parallelis valde denticulatis.*

Homoptera peruncta, *Guen. Noct.* iii. 9, 1329.

38. Homoptera subrosea.

Fœm. *Fusca; thorax albo subconspersus, fascia antica nigricante; alæ fasciis transversis fuscis et albidis fusco conspersis, fascia exteriore latiore obscuriore subroseo marginata, strigis submarginalibus, lineaque undulata marginali nigris; anticæ plaga costali subapicali albida roseo suffusa.*

Female. Brown. Thorax slightly flecked with white, with a blackish band in front. Wings with the usual bands, which are brown and whitish with brown flecks; an exterior band broader and darker than the others, and accompanied on each side by an indistinct rosy tint; a row of submarginal black streaks, and an undulating marginal black line. Fore wings with a whitish rose-tinted costal patch near the tip. Length of the body 8 lines; of the wings 20 lines.

a. ——— ?

39. Homoptera intenta.

Mas. *Fusca, subtus cinerea; thorax nigro albidoque fasciatus; abdomen cinereum, subcristatum; alæ anticæ fascia interiore albida fasciaque marginali albido-cervina, basi ex parte alba lituris lineaque nigris, spatio exteriore versus fasciam marginalem nigricante, macula reniformi angusta arcuata albida, linea nigra valde undulata, fascia marginali lineas fuscas transversas includente; posticæ albido-cervinæ, fusco conspersæ, fascia tenui lunulisque marginalibus nigricantibus.*

Male. Brown, cinereous beneath. Thorax with black and whitish bands. Abdomen cinereous, slightly crested. Fore wings with a whitish band before the middle and with a whitish fawn-coloured marginal band; basal space partly whitish and with black marks, and bounded by a black line; inner band with a few brown marks; exterior space blackish towards the marginal band, and including the narrow curved whitish reniform spot, and a very undulating black line, its outline much indented; marginal band with transverse brown lines. Hind wings whitish fawn-colour, speckled with brown, with a slender blackish band, and with blackish marginal lunules. Length of the body 6 lines; of the wings 17 lines.

a. ——— ? Presented by J. G. Children, Esq.

40. Homoptera aperta.

Fœm. *Ferruginea, subtus cinerea; thorax fusco fasciatus; abdomen cinereum; alæ anticæ lineis plurimis transversis undulatis obscure fuscis, linea interrupta submarginali lunulisque marginalibus nigricantibus; anticæ fasciis duabus cinereis, 2a interrupta et reniformem includente, lituris exterioribus cinereis; posticæ lineis duabus obscure fuscis.*

Female. Ferruginous, cinereous beneath. Thorax with a brown band. Abdomen cinereous. Wings with several dark brown transverse undulating lines, with an interrupted submarginal blackish line and with blackish marginal lunules. Fore wings with two cinereous bands, the second one interrupted, and partly formed by the reniform spot; some slight cinereous marks on the more exterior part. Hind wings with only two dark brown lines. Length of the body 9 lines; of the wings 22 lines.

a. ———? Presented by J. G. Children, Esq.

41. Homoptera ustipennis.

Mas. *Obscure ferrugineo-fusca, subtus cinereo-cervina; tibiæ tarsique antica obscure fusca, hi fasciis albidis; abdomen basi subcristatum; alæ ferrugineæ, lineis plurimis obliquis undulatis nigricantibus; anticæ basi et apud medium nigricante suffusæ, reniformi indistincta; posticæ apud angulum interiorem nigricantes.*

Male. Dark ferruginous-brown, cinereous fawn-colour beneath. Fore tibiæ and fore tarsi dark brown, the latter with whitish bands. Abdomen slightly crested towards the base. Wings ferruginous, with several oblique undulating blackish lines. Fore wings with a blackish tinge at the base and on the middle part, in which the reniform spot may be traced by its partly ferruginous outline. Hind wings with a blackish tinge towards the interior angle. Length of the body 7 lines; of the wings 18 lines.

a. ———?

42. Homoptera decessa.

Fœm. *Obscure ferruginea, subtus cinerea; thorax obscure fuscus; abdomen cinereo-fuscum; alæ anticæ obscure fuscæ, ferrugineo conspersæ, lineis transversis undulatis nigricantibus, reniformi testaceo aut albido ex parte marginata, guttis submarginalibus nigris testaceo ex parte marginatis lineas emittentibus, lunulis marginalibus nigris; posticæ linea unica exteriore guttisque submarginalibus.*

Female. Dark ferruginous, cinereous beneath. Thorax mostly dark brown. Abdomen cinereous-brown. Fore wings dark brown, with ferruginous speckles, which are most frequent about the transverse undulating blackish lines; border of the reniform spot partly testaceous or whitish; a row of submarginal black dots with the borders partly testaceous, and emitting lines to the black marginal lunules. Hind wings with only one line, which is exterior; submarginal dots like those of the fore wings. Length of the body 7½ lines; of the wings 18 lines.

a. ——— ? Presented by J. G. Children, Esq.

43. Homoptera costalis.

Fœm. *Pallide cervina, cupreo nitens, nigro-fusco conspersa, subtus albida; palporum articulus 3us 2i dimidio longior; alæ fasciis sex obliquis subundulatis, tribus obscurioribus, linea marginali nigra, maculis marginalibus cervinis; anticæ maculis costalibus nigris; posticæ macula postica fusca.*

Female. Pale fawn-colour, with a cupreous tinge, speckled with blackish brown, mostly whitish beneath. Third joint of the palpi more than half the length of the second. Wings with six oblique slightly undulating bands, three of them darker and more distinct than the others; marginal line black, accompanied by a fawn-coloured spot on each lunule. Fore wings with black costal spots, which join the transverse lines. Hind wings with a brown spot somewhat beyond the middle of the exterior border. Length of the body 6 lines; of the wings 15 lines.

a. ——— ? Presented by the Entomological Club.

44. HOMOPTERA QUADRISIGNATA.

Mas. *Fusca, subtus cinerea; palporum articulus 3us fere niger, basi pallidus, 2i dimidio longior; alæ anticæ apice rotundatæ, fasciis tribus distinctis fuscis, 1a basali, 2a gracili costam versus dilatata, 3a undulata guttulari, linea submarginali fusca indistincta undulata, guttis marginalibus obscurioribus, lituris alternis costalibus obscuris et pallidis.*

Male. Brown, cinereous beneath. Third joint of the palpi almost black, pale at the base, much more than half the length of the second. Fore wings much rounded at the tips, with three distinct brown bands; the first near the base, rather broad; second more slender, but dilated and forming a spot near the costa; third more undulating and composed of dots; submarginal line brown, indistinct, undulating; marginal dots darker; costa with alternate dark and pale marks. Hind wings like the fore wings, with the exception of the first band, which is obsolete. Length of the body 4½ lines; of the wings 10 lines.

a. ——— ?

Genus 5. YPSIA.

Corpus robustum. Proboscis mediocris. Palpi validi, suberecti; articulus 3us cylindricus, obtusus, 2i dimidio brevior. Antennæ corporis dimidio longiores. Thorax squamosus. Abdomen suberistatum, alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ, vix denticulatæ; anticæ apud costam rectæ, apice subrectangulatæ, margine exteriore subconvexo subobliquo. *Mas.*—Antennæ subcrenulatæ, subciliatæ.

Ypsia, *Guen. Noct.* iii. 16.

Body stout. Proboscis moderately long. Palpi stout, ascending, nearly vertical; third joint cylindrical, obtuse, rather less than half the length of the second. Antennæ more than half the length of the body. Thorax squamose. Abdomen slightly crested, not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings rather broad, hardly denticulate. Fore wings straight along the costa, almost rectangular at the tips, slightly oblique and convex along the exterior border. *Male.*—Antennæ minutely crenulate; ciliæ short.

1. YPSIA ÆRUGINOSA.

Nigro-fusca; alæ fascia diffusa cinereo-rufescente aut pallide violacea lineis tribus nigris interrupta, macula fasciisque duabus (una basali, altera marginali) e punctis viridibus, punctis marginalibus pallidis.

Ypsia æruginosa, *Guen. Noct.* iii. 17, 1342.

North America.

2. YPSIA UNDULARIS.

Anthracina; abdomen nigro-ferrugineum; alæ anticæ lineis plurimis obliquis undulatis atris; anticæ fascia media diffusa subcuprea; posticæ basi et apud costam cupreæ, fasciis duabus atris.

Phalæna (Noctua) undularis, *Drury, Ins.* i. 19, pl. 9, f. 4.
Noctua undularis, *Westw. Drury*, i. 19, pl. 9, f. 4.
Ypsia undularis, *Guen. Noct.* ii. 18, 1343.

New York.

Genus 6. ANTHRACIA.

Corpus robustum. Proboscis mediocriter longa. Palpi validi, ascendentes; articulus 3us cylindricus, obtusus, 2i dimidio brevior. Antennæ corporis dimidio longiores. Abdomen basi subcristatum, alas posticas non superans. Pedes sat graciles; tibiæ posticæ calcaribus quatuor vix longis. Alæ longiusculæ, vix denticulatæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo subobliquo. *Mas.*—Antennæ subserratæ, subciliatæ.

Anthracia, *Hübn. Verz. Schmett.* 275. *Guen. Noct.* iii. 18.

Body stout. Proboscis moderately long. Palpi stout, ascending, nearly vertical; third joint cylindrical, obtuse, rather less than half the length of the second. Antennæ more than half the length of the body. Abdomen slightly crested towards the base, not extending beyond the hind wings. Legs rather slender; hind tibiæ with moderately long spurs. Wings rather broad, hardly denticulated. Fore wings straight in front, slightly rounded at the tips, slightly convex and slightly oblique along the exterior border. *Male.*—Antennæ minutely serrated and ciliated.

1. ANTHRACIA SQUAMULARIS.

Anthracina; palporum articulus 3us longus, linearis; abdomen nigro-cinereum; pedes albo-cincti; alæ ferrugineo subvariæ lineis transversis undulatis atris, subtus cinereæ nitentes; anticæ punctis costalibus albidis. Var.—*Alæ anticæ albido subfasciatæ, punctis marginalibus albis.*

Phalæna squamularis, *Drury, Ins.* ii. 18, pl. 9, f. 3.
Anthracia Coracias, *Guen. Noct.* iii. 19, 1344.

a, b. Georgia. From Mr. Milne's collection.
c—g. East Florida. Presented by E. Doubleday, Esq.
h, i. ———?

2. ANTHRACIA CORNIX.

Mas. *Anthracina*, A. Coracias *simillima; palporum articulus 3us brevissimus; alæ magis fuscescentes, punctis marginalibus majoribus plus elongatis subcontiguis.*

Anthracia cornix, *Guen. Noct.* iii. 19, 1345.

North America.

Genus 7. DUGARIA.

Corpus robustum. Proboscis breviuscula. Palpi oblique ascendentes; articulus 3us gracilis, 2i dimidio multo longior. Antennæ corporis dimidio non longiores. Thorax subquadratus. Abdomen alas posticas non superans; cristis duabus basalibus lateralibus. Pedes validi; tibiæ posticæ calcaribus longis. Alæ subdenticulatæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo sat obliquo. *Mas.*—Antennæ validæ, crenulatæ. Pedes densissime pilosi. *Fœm.*—Antennæ simplices. Pedes sat pilosi.

Body stout. Proboscis rather short. Palpi obliquely ascending; third joint slender, much more than half the length of the second. Antennæ about half the length of the body. Thorax subquadrate. Abdomen with a crest on each side at the base, not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad, slightly denticulate along the exterior border. Fore wings straight along the costa, somewhat

rounded at the tips, rather oblique and slightly convex along the exterior border. *Male.*—Antennæ stout, rather deeply crenulate. Legs, especially the fore pair, most densely clothed with long hairs. *Female.*—Antennæ simple. Legs moderately pilose.

1. DUGARIA CILIPES.

Mas. *Cervina, subtus pallida; caput et thorax fusco conspersa; thorax fasciis duabus anticis angustis nigris; alæ anticæ lineis plurimis obliquis fuscis, linea obliqua exteriore nigra, guttis nigricantibus, linea submarginali nigra angusta undulata; posticæ lineis quatuor exterioribus subrectis subparallelis fuscis duabus obscuris duabusque pallidis.* Fœm.—*Cinerascens; alæ lineis obscurioribus et latioribus.*

Male. Fawn-colour, pale beneath. Head and thorax speckled with brown. Thorax with two slender black bands in front. Fore wings with numerous oblique brown lines, with an irregular oblique exterior black line, beyond which there is a row of blackish spots; a slender black undulating submarginal line. Hind wings with the interior lines and the submarginal line like those of the fore wings, but with four exterior nearly straight and parallel brown lines, alternately dark and pale. *Female.*—More cinereous, and with darker and broader lines on the wings. Length of the body 6 lines; of the wings 16 lines.

Port Natal.

a. Congo. Presented by Sir J. Richardson.

Genus 8. CORTYTA.

Fœm. Corpus robustum. Proboscis breviuscula. Palpi oblique ascendentes; articulus 3us linearis, obtusus, 2i triente non longior. Antennæ subcrenulatæ, ciliis brevissimis, corporis dimidio longiores. Thorax subquadratus. Abdomen alas posticas paullo superans, non cristatum. Pedes validi, pilosi. Alæ vix latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subdenticulato valde obliquo.

Female. Body stout. Proboscis rather short. Palpi obliquely ascending; third joint linear, obtuse, not more than one-third of the length of the second. Antennæ minutely crenulate, with very short ciliæ, more than half the length of the body. Thorax sub-

quadrate. Abdomen extending a little beyond the hind wings, not crested. Legs stout, pilose. Wings hardly broad. Fore wings straight in front, slightly rounded at the tips, very oblique and slightly denticulate along the exterior border.

1. CORTYTA CANESCENS.

Fœm. *Cana, fusco conspersa; palpi fusci; thorax subfasciatus; alæ lineis plurimis obliquis subundulatis fuscis, linea exteriore lunulisque marginalibus nigris; anticæ maculis orbiculari et reniformi subobsoletis.*

Female. Hoary, speckled with brown. Palpi mostly brown. Thorax with slight bands. Wings with numerous oblique slightly undulating brown lines, with one exterior black line, and with black marginal lunules. Fore wings with the orbicular and reniform spots almost obsolete. Hind wings with the markings hardly different from those of the fore wings. Length of the body 7 lines; of the wings 18 lines.

a. Caffraria. From M. Becker's collection.

Fam. 3. HYPOGRAMMIDÆ.

Structura varia. Statura sæpissime mediocris aut minor. Palpi sæpissime longiusculi et ascendentes. Antennæ *maris* sæpe crenulatæ. Abdomen sæpe cristatum. Alæ nonnunquam non concolores, lituris sæpe diversis.

Hypogrammidæ, *Guen. Noct.* iii. 20.

Structure various. Size generally moderate, occasionally small. Palpi most often ascending and rather long. Antennæ of the male often crenulate. Abdomen frequently crested. Hind wings in some genera differing from the fore wings in colour, and with different markings.

A. Alæ anticæ apice non aut vix rotundatæ.
  A. Abdomen non depressum.
    A. Pectus lanuginosum. - - - - 5. CYCLODES, *Guen.*
    B. Pectus non lanuginosum.
      a. Caput non bifasciculatum.
        i. Pedes antici non densissime fasciculati.

* Tibiæ basi fasciculatæ. - 3. STIMMIA, *Guen.*
** Tibiæ basi non fasciculatæ.
† Alæ posticæ non fasciculatæ.
‡ Alæ anticæ margine exteriore non angulato.
§ Palporum articulus 3us obtusus.
× Palpi graciles.
0 Palporum articulus 3us brevis.
2. YRIAS, *Guen.*
00 Palporum articulus 3us longus.
→ Palpi breves.
1. SAFIA, *Guen.*
→→ Palpi longiusculi.
25. CROPIA, *Walk.*
×× Palpi validi. - 7. PRAXIS, *Guen.*
§§ Palporum articulus 3us non obtusus.
× Palpi graciles.
0 Abdomen basi bicristatum.
10. CŒNIPETA, *Hübn.*
00 Abdomen basi non bicristatum.
→ Palporum articulus 3us fusiformis.
4. CAMPOMETRA, *Guen.*
→→ Palporum articulus 3us non fusiformis.
++ Palporum articulus 3us 2o brevior.
20. ERCHEIA, *Walk.*
++++ Palporum articulus 3us 2o vix brevior.
29. ELOUSA, *Walk.*
++++++ Palporum articulus 3us 2o non brevior.
23. CRIOA, *Walk.*
×× Palpi validi.
0 Caput cristatum.
→ Abdomen non elongatum.
8. ERICEIA, *Walk.*
→→ Abdomen longiusculum.
18. HARMA, *Walk.*
00 Caput non cristatum.
→ Palporum articulus 3us cylindricus.

++ Pedes robusti.
12. Briarda, *Walk.*
++++ Pedes graciles.
26. Lusia, *Walk.*
:+-+ Palporum articulus 3us lanceolatus.
++ Alæ longiusculæ.
11. Hypogramma, *Guen.*
++++ Alæ latiusculæ.
27. Prospalta, *Walk.*
§§§ Palporum articulus 3us clavatus.
× Caput fasciculatum.
9. Corrha, *Walk.*
×× Caput non fasciculatum.
24. Thria, *Walk.*
§§§§ Palporum articulus 3us brevissimus.
6. Lepidodes, *Guen.*
§§§§§ Palporum articulus 3us spatuliformis.
31. Prometopus, *Guen.*
‡‡ Alæ anticæ margine exteriore subangulato.
16. Gadirtha, *Walk.*
†† Alæ posticæ fasciculo discali. 15. Corsa, *Walk.*
ii. Pedes antici densissime fasciculati.
* Caput non fasciculatum. - 14. Eudrapa, *Walk.*
** Caput fasciculatum. - 21. Plotheia, *Walk.*
b. Caput bifasciculatum. - - 17. Cicynna, *Walk.*
B. Abdomen subdepressum. - - - 19. Avatha, *Walk.*
B. Alæ anticæ apice rotundatæ.
A. Palporum articulus 3us 2i dimidio longior.
A. Abdomen non cristatum. - - 13. Brana, *Walk.*
B. Abdomen cristatum. - - - 28. Deceiea, *Walk.*
B. Palporum articulus 3us 2i dimidio brevior. 30. Callyna, *Guen.*
C. Alæ anticæ apice valde rotundatæ. - 22. Diomea, *Walk.*

Genus 1. SAFIA.

Fœm. Corpus robustum. Proboscis mediocris. Palpi breves, graciles, erecti; articulus 2us arcuatus; 3us linearis, obtusus, 2o vix brevior aut gracilior. Thorax vix convexus. Antennæ graciles, corporis dimidio longiores. Abdomen alas posticas non superans, medio tumidum, basi cristatum, fasciculo apicali acuto.

Alæ denticulatæ, concolores, lineis non diversis; anticæ apud costam vix convexæ, apice subangulatæ, margine exteriore subconvexo.

Safia, *Guen. Noct.* iii. 20.

Female. Body stout. Proboscis moderately long. Palpi short, slender, vertical; second joint curved; third linear, obtuse, hardly shorter or more slender than the second. Antennæ simple, slender, more than half the length of the body. Thorax hardly convex. Abdomen not extending beyond the hind wings, crested at the base, tumid in the middle, with an apical acute tip of compressed hairs. Wings denticulated, similar in colour and with like markings. Fore wings hardly convex in front, slightly angular at the tips; exterior border slightly convex, moderately oblique.

1. Safia Celia.

Fusca; alæ cervinæ, lineis plurimis transversis fuscis; anticæ basi, fascia interiore, plaga discali, strigis transversis discalibus fasciaque abbreviata marginali nigro-fuscis; posticæ plaga magna postica nigro-fusca.

Phalæna-Noctua Celia, *Cram. Pap. Exot.* iv. 109, pl. 346 f. E, F.

Safia Celia, *Guen. Noct.* iii. 21, 1346.

Surinam. Guiana.

2. Safia? Japeta.

Ferrugineo-fusca; alæ vix purpurascente suffusæ, fascia media pallidiore nigro interlineata, margines versus obscuriores, fascia marginali abbreviata pallidiore; anticæ fascia basali nigro-fusca nigro marginata, fascia submarginali pallidiore.

Phalæna-Noctua Japeta, *Cram. Pap. Exot.* iv. 109, pl. 346, f. G.

Surinam.

3. Safia? Levina.

Ligno-fuscæ; alæ linea lunulata marginali nigra; anticæ nigro-fuscæ, lineis tribus transversis interioribus, linea exteriore angulata fasciaque marginali pallidioribus, macula reniformi pallida biguttata; posticæ fascia exteriore angulum versus interiorem attenuata intus pallido marginata, guttis duabus apud angulum interiorem nigris.

Phalæna-Noctua Levina, *Cram. Pap. Exot.* iv. 108, pl. 346, f. D; v. 160, pl. 36, f. 2.

Surinam.

Genus 2. YRIAS.

Corpus robustum. Proboscis mediocris. Palpi sat breves, graciles, vix pilosi, plus minusve ascendentes; articulus 3us obtusus, sat brevis. Antennæ corporis dimidio longiores. Thorax squamosus, tegulis remotis. Abdomen cristatum, alas posticas non superans. Alæ robustæ, subdenticulatæ, concolores, marmoratæ, lituris non diversis; anticæ apud costam vix convexæ, apice vix angulatæ, margine exteriore subconvexo. *Mas.*—Antennæ crenulatæ, ciliis plurimis.

Yrias, *Guen. Noct.* iii. 21.

Body stout. Proboscis of moderate length. Palpi rather short, slender, hardly pilose, more or less ascending; third joint obtuse, rather short. Antennæ more than half the length of the body. Thorax squamose; the lappets remote. Abdomen crested, not extending beyond the hind wings. Wings stout, slightly denticulated, marbled, alike in colour, and with similar markings. Fore wings hardly convex along the costa, hardly angular; exterior border slightly convex, slightly oblique. *Male.*—Antennæ crenulate, with numerous ciliæ.

West Indies.

1. YRIAS PROGENIES.

Violaceo-cinerea; palpi subrecti, articulo 3o brevissimo; thorax lineis transversis fuscis; alæ lineis transversis arcuatis undulatis lunulisque marginalibus nigris, linea submarginali ochracea; anticæ linea submarginali vaga interrupta, macula anteriore rufescente maculaque apicali atra.

Yrias progenies, *Guen. Noct.* iii. 23, 1349.

Isle St. Thomas. Guadeloupe.

South America.

2. Yrias Acharia.

Ferrugineo-fusca; alæ guttis submarginalibus lineaque marginali albis; anticæ litura discali alba, fasciis incompletis lineisque nigro-fuscis; posticæ nigro-fuscæ, margines versus pallidiores.

Phalæna-Noctua Acharia, *Cram. Pap. Exot.* iv. 108, pl. 346, f. C.

Yrias Acharia, *Guen. Noct.* iii. 22, 1347.

Surinam. Cayenne.

3. Yrias porphyrascens.

Mas. *Rufescente-cinerea; palpi valde arcuati, arcte applicati; tegulæ ex parte rufescente tinctæ; pedes pilosissimi; alæ anticæ basi et apud costam nigro-fuscæ velutinæ, lineis transversis angulosis indistinctis nigris, apud spatium obscurum cyaneo-albæ, macula reniformi extus albo ex parte marginata, lineolis submarginalibus lunulisque marginalibus nigricantibus; striga rosea apud marginem interiorem basalem; posticæ fusco-cinereæ, roseo tinctæ, lineis nigricantibus vix distinctis, linea arcuata cinerea.*

Yrias porphyrascens, *Guen. Noct.* iii. 22, 1348.

Pernambuco.

Genus 3. STIMMIA.

Mas. Corpus sat gracile. Frons fasciculo squamoso. Palpi longi, ascendentes; articulus 2us squamosus, lævis, subtumidus; 3us gracilis, acuminatus. Antennæ sat breves, crenulatæ, ciliis plurimis tenuissimis. Thorax squamosus, subquadratus, tegulis longis remotis. Abdomen longum, convexum, conicum, cristis squamosis armatum. Pedes longi; tibiæ basi fasciculatæ, posticæ calcaribus longis. Alæ validæ, subdenticulatæ, lituris non diversis, maculis lineisque confusis; anticæ apud costam rectæ, apice vix falcatæ, margine exteriore antice subexcavato, postice sat obliquo.

Stimmia, *Guen. Noct.* iii. 23.

Male. Body rather slender. Front with a squamose tuft. Palpi long, ascending; second joint squamose, smooth, slightly tumid; third slender, acuminated. Antennæ rather short, crenu-

lated, with numerous fine ciliæ. Thorax squamose, subquadrate lappets long, remote. Abdomen long, convex, conical, furnished with squamose crests. Legs long; tibiæ tufted at the base; hind tibiæ with long spurs. Wings stout, slightly denticulate, alike in markings; the spots and lines indeterminate. Fore wings straight along the costa, hardly falcate at the tips; exterior border slightly concave in front, rather oblique hindward.

This genus seems to be allied to the *Pyralites*.

1. STIMMIA CARNEOMACULA.

Mas. *Fusca; thorax antice carneus, punctis rufis; abdomen cristis tribus rufescente variis; alæ anticæ violaceo tinctæ, basi et spatio submarginali chalybeis, lineis confusis et interruptis obscurioribus, orbiculari punctiformi, reniformi nigra, macula exteriore magna rotundata carnea lineam nigram includente, punctis submarginalibus strigisque marginalibus carneis; punctis marginalibus nigricantibus; posticæ apud discum carneæ rufescente nigroque conspersæ, macula magna nigra, macula exteriore ex parte schistaceo-fusca.*

Stimmia carneomacula, *Guen. Noct.* iii. 24, 1350.

Cayenne.

2. STIMMIA SCORIA.

Nigricante-fusca; palporum articulus 3us longus, tenuis, acuminatus; alæ purpurascente tinctæ, lineis maculisque fusconigris, linea submarginali maculari; anticæ orbiculari punctiformi, reniformi plena.

Pyralis præcisalis? *Hübn. Zutr.* f. 367, 368.
Stimmia scoria, *Guen. Noct.* iii. 24, 1351.

Cayenne.

Genus 4. CAMPOMETRA.

Mas. Corpus robustum. Proboscis mediocris. Palpi graciles, oblique ascendentes; articulus 2us arcuatus; 3us rectus, fusiformis. Antennæ crenulatæ, ciliis verticillatis. Thorax quadratus, villoso-squamosus; tegulæ remotæ, apice elevatæ. Abdomen cylindricum, cristatum, apice obtusum et villosum, alas posticas vix superans. Pedes mediocres, vix pilosi. Alæ mediocriter latæ, vix

denticulatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Campometra, *Guen. Noct.* iii. 25.

Male. Body stout. Proboscis of moderate length. Palpi slender, obliquely ascending; second joint curved; third straight, fusiform. Antennæ crenulate, with verticillate ciliæ, much more than half the length of the body. Thorax quadrate, villose-squamose; lappets remote, hooped at the tips. Abdomen cylindrical, crested, obtuse and villose at the tip, hardly extending beyond the hind wings. Legs of moderate length, hardly pilose. Wings moderately broad, hardly denticulate. Fore wings straight along the costa, rounded at the tips, rather oblique along the exterior border.

1. Campometra Amelia.

Cinerea; thorax nigricante fasciatus; alæ nigro-cinereæ, subfuscescentes, lineis transversis; anticæ apud medium albidæ, maculis duabus costalibus nigris, reniformi albo marginata, striga exteriore nigra, orbiculari e puncto atro, linea submarginali nigra angulos duos atros fingente; posticæ pallidiores, lineis paucioribus minus distinctis.

Campometra Amelia, *Guen. Noct.* iii. 25, 1352.

Genus 5. CYCLODES.

Corpus robustum? Proboscis valida. Palpi ascendentes; articulus 2us robustus, squamoso-lævis, vix subulatus; 3us brevis, nudus, pyriformis. Antennæ validæ, simplices, cylindricæ, longissimæ. Thorax squamosus. Pectus et abdomen basi lanuginosa. Abdomen villosum, subconicum, apice fasciculatum. Pedes longi, robusti; tibiæ posticæ calcaribus longis. Alæ latæ, validæ, sericeæ, subdenticulatæ, fere concolores, lituris non diversis.

Cyclodes, *Guen. Noct.* iii. 26.

Body robust? Proboscis stout. Palpi ascending; second joint robust, squamose, smooth, hardly subulate; third short, bare, pyriform. Antennæ stout, simple, cylindrical, very long. Thorax squamose. Pectus lanuginose. Abdomen villose, slightly conical, lanuginose at the base, tufted at the tip. Legs long, robust; hind tibiæ with long spurs. Wings broad, stout, silky, slightly denticulate, almost alike in colour and with like markings.

1. Cyclodes Omma.

Mas. *Olivaceo-cinerea; alæ anticæ nebulis pallidioribus, lineis transversis undulatis fuscescentibus, macula basali chalybea nigro marginata annulo olivaceo inclusa, macula reniformi nulla; posticæ nigricantes, fascia albo-cinerea, atomis posticis chalybeis.*

Noctua Omma, *Van der Hœven, Descr. de Lép. Nouv.* 5, pl. 7, f. 7, a, b.

Cyclodes Omma, *Guen. Noct.* iii. 27, 1353.

Java. Hindostan.

Genus 6. LEPIDODES.

Corpus robustum. Proboscis valida, brevis. Palpi breves, crassi, villosi; articulus 3us brevissimus. Antennæ validæ, corporis dimidio longiores. Thorax villosus, valde squamosus. Abdomen longum, alas posticas paullo superans, cristis optime determinatis. Pedes breves; tibiæ pilosæ, calcaribus robustis abbreviatis. Alæ latiusculæ, validæ, nitentes, subdenticulatæ, concolores, valde squamosæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore convexo sat obliquo. *Mas.*—Antennæ crenulatæ, ciliis plurimis abbreviatis. *Fœm.*—Antennæ simplices, moniliformes.

Lepidodes, *Guen. Noct.* iii. 27.

Body robust. Proboscis stout, short. Palpi short, thick, pilose; third joint very short. Antennæ stout, more than half the length of the body. Thorax villose, very squamose. Abdomen long, extending a little beyond the hind wings; the crests well developed; first and second very squamose. Legs short; tibiæ pilose, with stout short spurs. Wings rather broad, stout, shining, very squamose, slightly denticulate, alike in colour. Fore wings straight along the costa, rounded at the tips, convex and moderately oblique along the exterior border. *Male.*—Antennæ crenulate, with numerous short ciliæ. *Female.*—Antennæ simple, moniliform.

1. LEPIDODES LIMBULATA.

Fusca; palpi, prothorax et pectus aurato-fusca; thorax et abdominis cristæ squamis viridescente-sulphureis; alæ sericeæ, ex parte auratæ, margine sat angusto flavescente-albo lineis fuscis diviso, maculis interioribus obscuris; anticæ disco fasciaque flavescente-albis, linea transversa valde sinuata, reniformi e lineolis auratis, plaga apud angulum interiorem nigricante; posticæ lineolis apud angulum interiorem obscuris.

Lepidodes limbulata, *Guen. Noct.* iii. 28, 1354.

Colombia.

Genus 7. PRAXIS.

Corpus robustum. Proboscis mediocris. Palpi validi, oblique ascendentes; articulus 3us linearis, obtusus, 2i dimidio non longior. Thorax convexus, densissime pilosus. Abdomen subcristatum, alas posticas non aut vix superans. Pedes sat graciles; tibiæ posticæ calcaribus vix longis. Alæ mediocres, subdenticulatæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore subconvexo mediocriter obliquo. *Mas.*—Antennæ crenulatæ, corporis dimidio non longiores. *Fœm.*—Antennæ simplices, corporis dimidio longiores. Abdomen crassum.

Praxis, *Guen. Noct.* iii. 28.

Body stout. Proboscis moderately long. Palpi stout, obliquely ascending; third joint linear, obtuse, about half the length of the second. Thorax convex, very densely clothed. Abdomen slightly crested, not or hardly extending beyond the hind wings. Legs rather slender; hind tibiæ with moderately long spurs. Wings moderately broad, slightly denticulated. Fore wings straight along the costa, somewhat angular at the tips, moderately oblique and slightly convex along the exterior border. *Male.*—Antennæ crenulated, not more than half the length of the body; ciliæ short. *Female.*—Antennæ simple, more than half the length of the body. Abdomen thick.

1. Praxis porphyretica.

Ferruginea; alæ glaucescentes, lineis obliquis punctisque marginalibus atris; anticæ punctis costalibus pallidis; posticæ subtus fascia lata atra. Fœm.—*Alæ linea discali punctulari punctisque marginalibus albidis, fascia submarginali albido marginata.*

Praxis porphyretica, *Guen. Noct.* iii. 29, 1355.

a. Tasmania. Presented by R. Butler, Esq.
b, c. Tasmania. From Mr. A. J. Smith's collection.
d. Tasmania. Presented by the Rev. Augustus Beaufort.
e—g. Tasmania. Presented by M. Allport, Esq.

2. Praxis Edwardsii.

Anthracina; alæ anticæ lineis plurimis obliquis undulatis atris pallido ex parte marginatis; posticæ lineis paucioribus, subtus plagis duabus atris.

Praxis Edwardsii, *Guen. Noct.* iii. 29, 1356.

Australia.

a, b. Tasmania. Presented by R. Butler, Esq.
c. Tasmania. From Mr. A. J. Smith's collection.

3. Praxis corvus.

Mas et fœm. *Anthracina, subtus nigricante-cinerea; proboscis fulva; palporum articulus 3us brevissimus; antennæ subtus ferrugineæ; tarsi antici annulis pallidis; alæ nitentes, punctis lineisque duabus undulatis atris; anticæ linea tertia undulata atra.*

Male and female. Coal-black, blackish cinereous beneath. Proboscis tawny. Third joint of the palpi very short. Antennæ ferruginous beneath. Fore tarsi with pale bands. Wings shining, speckled with deep black, and with two undulating deep black lines. Fore wings with a third deep black undulating line. Length of the body 7—9 lines; of the wings 18—26 lines.

a, b. Tasmania. Presented by R. Butler, Esq.
c. Tasmania. Presented by M. Allport, Esq.
d, e. Tasmania. From Mr. A. J. Smith's collection.

4. Praxis inordinata.

Mas. *Pallide cinereo-fusca; caput albido varium; abdomen alas posticas paullo superans, apice albidum; alæ cupreo tinctæ, lineis obliquis fuscis guttisque marginalibus nigris, ciliis basi albidis; anticæ margine exteriore valde obliquo, lituris costalibus albis, linea media obliqua strigisque interioribus nigris; posticæ subtus fascia latissima nigricante-cærulea.*

Male. Pale cinereous-brown. Head above and palpi partly whitish. Proboscis tawny. Abdomen extending a little beyond the hind wings, whitish at the tip. Wings with a cupreous tinge, with some oblique brown lines and with black marginal dots; ciliæ whitish at the base. Fore wings very oblique along the exterior border, with some white marks along the costa, with a black oblique middle line which is abbreviated in front, and with some black interior streaks. Hind wings with a very broad blackish blue band on the under side. Length of the body 8 lines; of the wings 18 lines.

a. Tasmania. From Mr. A. J. Smith's collection.

5. Praxis illapsa.

Fœm. *Cinerea; palporum articulus 3us brevissimus; thorax nigro subfasciatus; alæ ex parte ferrugineæ, linea apud marginem exteriorem valde denticulata nigra, nigro subconspersæ, margine exteriore vix obliquo, lineis duabus nigris transversis, plaga postica fusca; posticæ lineis duabus nigricantibus, basi pallidæ.*

Female. Cinereous, paler beneath. Third joint of the palpi very short. Thorax with slight black bands. Wings partly ferruginous, with a black line along the exterior border, which is much denticulated. Fore wings very slightly oblique along the exterior border, with some black speckles which are here and there confluent, with two black transverse irregular lines, the space between them brown hindward; under side with a black discal dot, with a black line, and with a broad black band, which like the line is abbreviated hindward. Hind wings with two slight blackish lines, pale towards the base; under side with marks like those of the fore wings, the line and the band complete. Length of the body 6 lines; of the wings 16 lines.

a. Tasmania. Presented by R. Butler, Esq.

Genus 8. ERICEIA.

Mas. Corpus robustum. Caput subcristatum. Proboscis mediocris. Palpi validi, pilosi, suberecti; articulus 3us lanceolatus, 2i dimidio non brevior. Antennæ simplices, subciliatæ, corporis dimidio longiores. Abdomen non cristatum, alas posticas non superans. Pedes validi; femora et tibiæ dense pilosa; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ, non denticulatæ, ciliis latiusculis; anticæ apud costam rectæ, apice acutæ, margine exteriore sat obliquo.

Male. Body stout. Head slightly crested. Proboscis moderately long. Palpi stout, pilose, almost erect; third joint lanceolate, full half the length of the second. Antennæ simple, very minutely ciliated, more than half the length of the body. Thorax and abdomen not crested. Abdomen not extending beyond the hind wings. Legs stout; femora and tibiæ densely pilose; hind tibiæ with long spurs. Wings moderately broad, not denticulated; ciliæ rather broad. Fore wings straight along the costa, acute at the tips, rather oblique along the exterior border.

1. ERICEIA SOBRIA.

Mas. *Cinerea; thorax nigro subconspersus; alæ nigro conspersæ, lineis nonnullis indistinctis, fascia exteriore fusca extus albido marginata, guttis submarginalibus nigris; anticæ guttis costalibus exterioribus albidis; posticæ apud marginem interiorem densissime ciliatæ.*

Male. Cinereous. Thorax slightly speckled with black. Wings minutely speckled with black, with some indistinct lines, and with an exterior brown band whose outer border is whitish; a row of submarginal black dots. Fore wings with some whitish dots towards the tip of the costa. Hind wings very thickly ciliated along the interior border. Length of the body 7 lines; of the wings 20 lines.

a. Moreton Bay. From Mr. Diggles' collection.

Genus 9. CORRHA.

Mas et fœm. Corpus robustum. Caput supra fasciculatum. Proboscis brevis. Palpi oblique ascendentes; articulus 2us densissime pilosus; 3us clavatus, nudus, 2i dimidio longior. Antennæ corporis dimidio longiores. Thorax densissime pilosus. Abdomen alas posticas non superans. Pedes validi, pilosi; tibiæ posticæ calcaribus sat longis. Alæ vix latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore perobliquo vix denticulato. *Mas.* —Antennæ serratæ.

Male and female. Body stout. Head tufted above. Proboscis short. Palpi obliquely ascending; second joint most densely pilose; third joint clavate, bare, more than half the length of the second. Antennæ more than half the length of the body. Thorax most densely pilose. Abdomen not extending beyond the hind wings. Legs stout, pilose; hind tibiæ with moderately long spurs. Wings hardly broad. Fore wings straight in front, somewhat rounded at the tips, very oblique and hardly denticulated along the exterior border, *Male.*—Antennæ serrated.

1. Corrha difficilis.

Mas et fœm. *Anthracina, subtus cinerea; abdomen nigricante-cinereum; alæ guttis submarginalibus atris; anticæ nitentes, lineis nonnullis indistinctis transversis undulatis atris; posticæ basi fuscæ.* Mas.—*Antennæ testaceæ.*

Male and female. Coal-black, cinereous beneath. Abdomen blackish cinereous. Wings with a row of deep black submarginal dots. Fore wings shining, with some indistinct deep black transverse undulating lines. Hind wings brown towards the base. *Male.*—Antennæ testaceous. Length of the body 7½ lines; of the wings 17 lines.

a. Tasmania. Presented by M. Allport, Esq.
b. Tasmania. Presented by Capt. J. C. Ross.

Genus 10. CÆNIPETA.

Corpus robustum. Proboscis mediocris. Palpi longiusculi, subrecurvi; articulus 3us gracilis, compressus, 2i dimidio longior. Antennæ graciles, simplices, corporis dimidio longiores. Abdomen alas posticas vix superans. Pedes sat graciles; tibiæ posticæ cal-

caribus longis. Alæ anticæ longiusculæ, sat angustæ, apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo valde obliquo.

Cænipeta, *Hübn. Verz. Schmett.* 260. *Guen. Noct.* iii. 29.

Body stout. Proboscis moderately long. Palpi slightly recurved, rather long; third joint slender, compressed, more than half the length of the second. Antennæ slender, simple, much more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs rather slender; hind tibiæ with four long spurs. Fore wings rather long and narrow, straight along the costa, somewhat rounded at the tips, slightly convex and very oblique along the exterior border.

West Indies.

1. Cænipeta Serapis.

Testaceo-cervina; alæ anticæ canescentes; alæ anticæ lineis transversis arcuatis nigris et pallide fuscis, ciliis testaceis fusco notatis; posticæ lineis duabus fascia arcuata margineque lato (linea apud angulum exteriorem excepta) fuscis.

Phalæna-Noctua Serapis, *Cram. Pap. Exot.* iv. 222, pl. 396, f. F.
Cænipeta Serapis, *Guen. Noct.* iii. 33, 1362.

Berbice.

2. Cænipeta lobuligera

Cinerascens; thorax fusco fasciatus; alæ anticæ fasciis undulatis fuscis, macula costali exteriore albida; posticæ fuscæ, fasciis testaceis.

Cænipeta colliquens? (Noctua semigeometra, Heliothis undulata), *Hübn. Samml. Exot. Schmett.* i. 22, 59, f, 117, 118. Mas. *Fusca; alæ anticæ fasciis plurimis undulatis variis cinereis fuscisque; posticæ strigis nonnullis transversis subundulatis albidis.*

Cænipeta lobuligera, *Guen. Noct.* iii. 32, 1360.

a—d. Brazil. From Mr. Argent's collection.
e—g. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.
h. Parà. Presented by Gordon Graham, Esq.
i. St. Domingo. From Mr. Tweedie's collection.
j. ——— ?

South America.

A. Alæ anticæ albido non fasciatæ.
  A. Abdomen cervino fasciatum. - - bibitrix, *Hübn.*
  B. Abdomen cervino non fasciatum. - - Suttea, *Guen.*
B. Alæ anticæ albido fasciatæ.
  A. Alæ purpurascente tinctæ.
    a. Alæ fuscæ. - - - - - compotrix, *Hübn.*
    b. Alæ cinereæ. - - - - - illustrans, *Walk.*
  B. Alæ glaucescente tinctæ.
    a. Alæ anticæ fascia alba ex parte cervina. abscondens, *Walk.*
    b. Alæ anticæ fasciis plurimis albidis.
      a. Thorax fusco fasciatus. - - - Polynoë, *Guen.*
      b. Thorax fusco non fasciatus - - - aniloba, *Guen.*
C. Alæ anticæ litura discali alba. - - calligramma, *Hübn.*
D. Alæ anticæ albidæ, fasciis obscuris. - - Medina, *Guen.*

3. Cænipeta Suttea.

Var.? *Obscurè cervina, subtus pallidior; caput et thorax fusco fasciata; alæ anticæ glauco-viridi vix suffusæ, fasciis plurimis undulatis ferrugineo-fuscis; posticæ æneo-fuscæ, fasciis duabus et tribus posterioribus abbreviatis cervinis.*

Cænipeta Suttea, *Guen. Noct.* iii. 30, 1357.

Brazil.

Var.? Dark fawn-colour, paler beneath. Head and thorax with brown bands. Fore wings slightly tinged with glaucous-green, adorned with several undulating ferruginous-brown bands. Hind wings æneous-brown, with two or three short posterior fawn-coloured bands. Length of the body 6½—7 lines; of the wings 17—18 lines.

Parà. Valley of the Amazon.

4. Cænipeta bibitrix.

Fœm. *Purpurascens; abdomen nigro-fuscum, segmentorum marginibus posticis cervinis; alæ anticæ fasciis duabus nigricantibus, apicibus fuscis cervino transverse strigatis; posticæ cervinæ strigis transversis obscurioribus.*

Helia bibitrix (Noctua semigeometra, Heliothis moderata), *Hübn. Samml. Exot. Schmett.* ii. 26, 172, f. 343, 344.
Cœnipeta bibitrix, *Guen. Noct.* iii. 31, 1358.
Surinam.

5. CÆNIPETA POLYNOE.

Fusca; caput et thorax fasciis pallidis; abdomen cinerascens; alæ anticæ glaucescente suffusæ, fasciis plurimis undulatis albidis; posticæ fasciis tribus apud angulum interiorem abbreviatis testaceis, fimbriis albo binotatis.

Cœnipeta Polynoë, *Guen. Noct.* iii. 31, 1359.
Cayenne.
a, b. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

6. CÆNIPETA COMPOTRIX.

Mas. *Fusca; alæ violaceo suffusæ, fasciis undulosis canis et nigro-fuscis, subtus albæ fusco variæ, anticæ fascia alba postice attenuata et marginem non attingente.*

Helia compotrix (Noctua semigeometra, Heliothis moderata), *Hübn. Samml. Exot. Schmett.* i. 29, 89, f. 177, 178.
Surinam.

7. CÆNIPETA CALLIGRAMMA.

Mas. *Fusca; alæ obscure fuscæ strigis transversis basique pallidioribus, anticæ litura discali, posticæ puncto basali albis.*

Helia caligramma (Noctua semigeometra, Heliothis moderata), *Hübn. Samml. Exot. Schmett.* i. 27, 79, f. 157, 158.
Surinam.

8. CÆNIPETA ANILOBA.

Mas. C. lobuligeræ *valde affinis; alæ viridescente tinctæ, lineis magis diffusis, denticulis plus rotundatis, maculis nullis subtus albis; palporum articulus 3us linearis, longissimus; thorax anticus fusco non fasciatus.*

Cœnipeta aniloba, *Guen. Noct.* iii. 33, 1361.
Brazil.

9. Cænipeta Medina.

Ferruginea; thorax albido varius; alæ anticæ albidæ, glauco variæ, lineis fasciisque varius testaceis fuscis nigrisque; posticæ lineis duabus margineque lato nigro-fuscis.

Phalæna-Noctua Damonia, *Cram. Pap. Exot.* iv. 71, pl. 324, f. D, E.

Cænipeta Medina, *Guen. Noct.* iii. 35, 1365.

Surinam.

10. Cænipeta illustrans.

Fœm. *Cinerea; vertex et thorax anticus nigro fasciati; alæ purpurascente tinctæ, lineis duabus transversis angulosis nigris; anticæ linea interiore plaga subcostali lineaque submarginali albidis, linea transversa angulosa interiore, reniformis margine et punctis marginalibus nigris; posticæ basi et apud costam testaceæ, lunulis marginalibus maculaque subapicali nigris.*

Female. Cinereous, paler beneath. Vertex with a black band. Thorax with a blackish band in front. Wings with a pale purplish bloom, with two zigzag transverse black lines. Fore wings with a whitish line extending in the disk from near the base to a large whitish subcostal patch flecked and bordered with black, and adjoining the reniform spot, its outer side angulose; a zigzag transverse black line near the base; reniform spot bordered with black; submarginal line whitish, angulose, indistinct; a row of marginal black points. Hind wings testaceous towards the base and along the costa, with black marginal lunules, and with a black subapical spot; under side testaceous, with two black lines, and with a broad submarginal black band. Length of the body 7 lines; of the wings 18 lines.

Brazil. In Mr. Saunders' collection.

11. Cænipeta abscondens.

Mas. *Fusca, subtus pallide cinerea; palpi nigro-fusci; tarsi antici nigro fasciati; alæ anticæ ferrugineæ, glauco-viridi conspersæ, lineis transversis undulatis obscurioribus, fascia lata abbreviata cervina ex parte albida, guttis elongatis submarginalibus nigricantibus; posticæ cupreo-fuscæ, apice albæ.*

Male. Brown, pale cinereous beneath. Palpi blackish brown, much recurved. Fore tarsi with blackish bands. Abdomen cinereous-brown. Fore wings ferruginous, speckled with glaucous-green, with several darker transverse undulating lines, with a broad band, which is abbreviated, fawn-coloured and partly whitish above, complete and wholly white beneath; a row of elongated blackish submarginal dots. Hind wings cupreous-brown, with white tips. Length of the body 10 lines; of the wings 24 lines.

Valley of the Amazon. In Mr. Saunders' collection.

Genus 11. HYPOGRAMMA.

Corpus robustum. Proboscis mediocris. Palpi arcuati, ascendentes; articulus 2us validus; 3us lanceolatus, 2i dimidio non brevior. Antennæ longæ, graciles, simplices. Abdomen alas posticas paullo superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ longiusculæ, non latæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore subconvexo valde obliquo; posticæ apud angulum interiorem subexcavatæ.

Hypogramma, *Guen. Noct.* iii. 34.

Body stout. Proboscis moderately long. Palpi curved, vertical; second joint stout; third lanceolate, full half the length of the second. Antennæ long, slender, simple, much more than half the length of the body. Abdomen extending a little beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Wings rather long, not broad. Fore wings straight along the costa, somewhat angular at the tips, very slightly convex and very oblique along the exterior border. Hind wings slightly excavated by the interior angle.

North America.

1. HYPOGRAMMA ANDROMEDE.

Albo-cinerea; alæ anticæ lineis transversis indeterminatis margineque interiore nigricantibus, macula reniformi e annulo nigricante, ciliis cinereo nigroque variis; posticæ nigræ, macula angusta alba.

Hypogramma Andromede, *Guen. Noct.* iii. 36, 1368.

Georgia.

West Indies.

2. Hypogramma Balma.

Nigro-cinerea; palpi nigri, graciles, lineis duabus transversis albis; alæ anticæ violaceo tinctæ, fascia media subobliqua alba, lineis transversis obscuris non bene determinatis, submarginali nigro nebulosa, punctis submarginalibus nigris; posticæ nigræ, macula alba.

Hypogramma Balma, *Guen. Noct.* iii. 36, 1367.

Haïti.

South America.

3. Hypogramma Sulima.

Var.? Mas. *Cinereo-fusca, subtus albida; abdomen cinereum, apice testaceum; alæ anticæ subglaucescentes, fasciis nonnullis incompletis albidis unaque exteriore lata alba bene determinata; posticæ apice albæ, ciliis ex parte albis, subtus albæ lineis duabus transversis fasciaque lata exteriore fuscis.*

Phalæna Sulima, *Stoll, Cram. Pap. Exot.* v. 175, pl. 40, f.
Hypogramma Sulima, *Guen. Noct.* iii. 35, 1364.

Surinam. Cayenne.

Var.? Male. Cinereous-brown, whitish beneath. Abdomen cinereous, testaceous at the tip; fore wings with a glaucous tinge, with several irregular and incomplete whitish bands, and with a broad distinct and complete white band beyond the middle; under side wholly brown, except the white band, two marginal spots and one costal subapical mark. Hind wings with white tips and with the ciliæ partly white; under side white, with two double transverse brown lines, and with a broad exterior brown band. Length of the body 8—9 lines; of the wings 20—22 lines.

a. Santarem. From Mr. Bates' collection.
b, c. Brazil. From Mr. Argent's collection.
d. Brazil. Presented by E. Doubleday, Esq.
e, f. Brazil.

4. HYPOGRAMMA DAMONIA.

Ferruginea; alæ nigro-fuscæ, lineis transversis variis cinereis, fascia exteriore alba cervino varia; posticæ linea marginali albida, apud marginem interiorem ferrugineæ.

Phalæna-Noctua Damonia, *Cram. Pap. Exot.* iv. 71, pl. 324, f. B, C.

Hypogramma Damonia, *Guen. Noct.* iii. 33, 1363.

Surinam.

5. HYPOGRAMMA SUBLUCIDA.

Fusca; abdomen cinereo-fuscum; alæ anticæ lineis transversis undulatis plagisque nonnullis nigris, fascia exteriore albida; posticæ apice albæ.

Brown. Body cinereous beneath. Abdomen cinereous-brown. Fore wings with irregular transverse black undulating lines, and with a few black patches; a whitish band beyond the middle, white beneath and corresponding to the white tips of the hind wings. Hind wings with snow-white tips; under side cinereous from the base to the middle, where there are two slight brown bands. Length of the body 9 lines; of the wings 22 lines.

a. Brazil. From Mr. Argent's collection.

Genus 12. BRIADA.

Corpus vix robustum. Proboscis breviuscula. Palpi ascendentes, erecti; articulus 3us gracilis, cylindricus, 2i dimidio longior. Antennæ graciles, simplices, corporis dimidio longiores. Abdomen subcristatum, alas posticas vix superans. Pedes validi, dense pilosi; tibiæ posticæ calcaribus longissimis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore denticulato, sat obliquo.

Body hardly stout. Proboscis rather short. Palpi ascending, vertical, rather long; second joint stout; third slender, cylindrical, more than half the length of the second. Antennæ slender, simple, much more than half the length of the body. Thorax with the lappets somewhat diverging. Abdomen slightly crested, hardly extending beyond the hind wings. Legs stout, thickly pilose; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight in front, slightly angular at the tips, denticulated and rather oblique along the exterior border.

1. Briarda decens.

Mas et fœm. *Cinerea; thorax fascia fuscescente; alæ anticæ pallide cinereæ, apud marginem exteriorem obscuriores, fascia plagisque duabus costalibus exterioribus obscure fuscis, guttis submarginalibus nigricantibus; posticæ margine latissimo fusco, ciliis ex parte cinereis.* Mas.—*Abdomen cristis fuscescentibus; alæ anticæ fascia fusca pallidiore.*

Male and female. Cinereous. Thorax with an indistinct brownish band. Abdomen of the male with brownish crests. Fore wings pale cinereous, darker along the exterior border, with a dark brown band and two dark brown exterior costal patches; the band dilated along the costa towards the base, near which there is a slight indication of another band; a paler brown band extending in the male from the first patch to the interior border; a row of blackish submarginal dots. Hind wings with a very broad brown border; ciliæ partly cinereous. Length of the body 7—8 lines; of the wings 18 lines.

a, b. North Hindostan. From Mr. James' collection.

2. Briarda precedens.

Fœm. *Pallide cervina; palporum articulus 3us 2o vix brevior; thorax antice fuscescens; abdomen pallide cinereum; alæ anticæ lineis transversis angulosis plagisque costalibus fuscis, his lineas nigras angulosas includentibus; posticæ pallide cinereæ, fascia lata marginali obscuriore.*

Female. Pale fawn-colour, pale cinereous beneath. Third joint of the palpi hardly shorter than the second. Thorax brownish in front. Abdomen pale cinereous. Fore wings with some transverse zigzag brown lines, and with brown costal patches which are traversed by zigzag black lines; first patch basal; second much larger than the first, and emitting a branch almost to the exterior border; third apical and slightly divided; a brown streak at the base of the interior border, and a row of black marginal dots. Hind wings pale cinereous, with a broad darker marginal band, which is most distinct beneath. Length of the body 7 lines; of the wings 17 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b, c. Ceylon. From the Rev. J. Wenham's collection.
d. North Hindostan. From Mr. James' collection.

3. BRIARDA ANTECEDENS.

Mas. *Pallide-cervina; caput antice fuscum; thorax fusco bifasciatus; abdomen pilis lateralibus apicalibus fuscis; alæ anticæ apud costam basalem obscuriores lituris nonnullis transversis angulosis nigris, fascia obscura abbreviata nigro signata et marginata, macula costali apicali oblonga nigricante, guttis marginalibus pallidis nigro signatis; posticæ margine latissimo fusco.*

Male. Pale fawn-colour. Head in front and palpi brown. Thorax with two brown bands. Abdomen with brown hairs on each side towards the tip. Fore wings darker and with some zigzag transverse black marks along the costa at the base; a darker band also marked and mostly bordered with black, extending obliquely from the costa, where it is dilated to a little beyond the middle of the disk; an oblong blackish costal apical spot; exterior border with pale ciliæ and with a row of pale black-pointed dots. Hind wings with a very broad brown border. Length of the body 9 lines; of the wings 21 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

Genus 13. BRANA.

Corpus sat robustum. Proboscis breviuscula. Palpi oblique ascendentes; articulus 3us linearis, compressus, apice obtusus et subdilatatus, 2i dimidio longior. Antennæ simplices, graciles, corporis dimidio longiores. Thorax lævis. Abdomen alas posticas paullo superans. Pedes validi, subpilosi; tibiæ posticæ calcaribus longis. Alæ elongatæ, non latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore convexo subdenticulato sat obliquo.

Body rather stout. Proboscis rather short. Palpi obliquely ascending; third joint linear, compressed, obtuse and slightly widened at the tip, a little more than half the length of the second. Antennæ simple, slender, more than half the length of the body. Thorax smooth. Abdomen extending a little beyond the hind wings. Legs stout, slightly pilose; hind tibiæ with long spurs. Wings elongate, not broad. Fore wings straight in front, rounded at the tips, convex, rather oblique and slightly denticulated along the exterior border.

1. Brana calopasa.

Schistacea; caput atrum, apud oculos album; palpi albi, supra et apice nigri; thorax nigro maculatus; pectus luteum; abdomen nigrum, macula basali apiceque ochraceis; pedes nigri, albido fasciati; alæ anticæ maculis nigris albo marginatis, apices versus nigro-cyaneæ, fasciis duabus interruptis venisque albis; posticæ nigro-cyaneæ, apice ciliisque albis.

Slate-colour. Head deep black, white about the eyes. Palpi white, black above and towards the tips. Thorax with a black spot in front and another behind, and with a transverse black spot on each side in front. Pectus luteous. Abdomen black, ochraceous towards the tip and with an ochraceous spot at the base. Legs black, with white bands. Fore wings with black white-bordered spots, blackish blue towards the tips, with the exception of the white veins and two interrupted white bands, the second one very slight and incomplete; under side black, excepting the ciliæ and two white marginal streaks. Hind wings dark blue, with cupreous reflections; tips and ciliæ white. Length of the body 8½ lines; of the wings 24 lines.

a, *b*. Ceylon. Presented by R. Templeton, Esq.

Genus 14. EUDRAPA.

Corpus vix robustum. Proboscis brevis. Palpi erecti, subarcuati; articulus 3us 2i triente non longior. Antennæ nudæ, sat validæ, corporis dimidio longiores. Abdomen alas posticas triente superans. Pedes sat graciles; antici densissime fasciculati; tibiæ posticæ calcaribus longis. Alæ sat angustæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore sat obliquo.

Body hardly stout. Proboscis short. Palpi vertical, slightly curved; third joint hardly one-third of the length of the second. Antennæ bare, rather stout, more than half the length of the body. Abdomen extending for nearly one-third of its length beyond the hind wings. Legs rather slender; fore legs very densely fasciculated; hind tibiæ with long spurs. Wings rather narrow. Fore wings straight in front, rounded at the tips, rather oblique along the exterior border.

1. EUDRAPA MOLLIS.

Fœm. *Viridi-fusca, subtus nigricans; caput supra albidum; palporum, articulus 2us apice subtus albus; abdomen cinereum; alæ anticæ fusco ex parte nebulosæ, lituris variis, linea angulosa exteriore guttisque marginalibus nigris; posticæ fuscæ.*

Female. Greenish brown, blackish beneath. Head mostly whitish above; second joint of the palpi white at the tip beneath. Abdomen cinereous. Fore wings partly clouded with brown, adorned with various black marks, with an exterior black zigzag line, and with a row of black marginal dots. Hind wings brown. Length of the body 7 lines; of the wings 16 lines.

a, *b*. Ashanti. From the Wesleyan Missionary Society's collection.

Genus 15. CORSA.

Corpus robustum. Proboscis mediocriter longa. Palpi erecti, validi, longi, subarcuati; articulus 3us compressus, lanceolatus, 2i dimidio longior. Antennæ simplices, corporis dimidio non longiores, Thorax squamosus. Abdomen alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longissimis. Alæ latiusculæ, non longæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo subobliquo; posticæ fasciculo discali.

Body stout. Proboscis moderately long. Palpi erect, stout, long, very slightly curved; third joint compressed, lanceolate, rather more than half the length of the second. Antennæ simple, about half the length of the body. Thorax squamose. Abdomen not extending beyond the hind wings. Legs stout; hind tibiæ with very long spurs. Wings rather broad, not long. Fore wings straight in front, rounded at the tips, slightly convex and slightly oblique along the exterior border. Hind wings with a tuft in the disk towards the base.

1. CORSA LIGNICOLORA.

Lignicolora, subtus fuscescente-cinerea, thorax cyaneo-niger, antice nigro-fuscus; alæ macula discali obscure fusca, fascia exteriore latissima pallidiore, guttis nigris elongatis marginalibus; anticæ basi nigro-cyaneæ.

Wood-brown colour, brownish cinereous beneath. Thorax bluish black, dark brown in front. Wings with a dark brown spot in each disk, with a paler brown and very broad exterior band, with elongated marginal black dots, and with dark brown tips; ciliæ dark brown, with paler intervals. Fore wings bluish black at the base, and with some dark brown costal marks. Length of the body 7 lines; of the wings 17 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 16. GADIRTHA.

Corpus robustum. Proboscis brevis. Palpi longi, ascendentes, vix pilosi; articulus 2us vix arcuatus; 3us linearis, compressus, 2o paullo brevior. Antennæ validæ, simplices, maris nonnunquam serratæ, corporis dimidio non longiores. Thorax squamosus. Abdomen alas posticas superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis robustis. Alæ sat angustæ; anticæ apud costam subconvexæ, apice vix angulatæ, margine exteriore subconvexo subangulato.

Body stout. Proboscis short. Palpi long, ascending, hardly pilose; second joint very slightly curved; third linear, compressed, a little shorter than the second. Antennæ stout, simple, occasionally serrated in the males, hardly half the length of the body. Thorax squamose. Abdomen extending for one-fourth or one-third of its length beyond the hind wings. Legs stout, pilose; hind tibiæ with long stout spurs. Wings rather narrow. Fore wings slightly convex along the costa, hardly angular at the tips; exterior border slightly convex, hardly oblique in front, very oblique hindward.

1. Gadirtha inexacta.

Mas. *Pallide cinerea, subiridescens; caput supra nigricans; thorax fascia interrupta nigricante; alæ anticæ ex parte rufescentes, lineis duabus transversis incompletis guttisque elongatis marginalibus nigris, macula reniformi magna fusco signata nigro marginata; posticæ fuscescentes, basi cinereæ, lunulis marginalibus obscure fuscis, ciliis albidis.*

Male. Pale cinereous, somewhat iridescent. Head partly blackish above. Thorax with an interrupted blackish band. Fore

wings partly reddish, with two irregular and incomplete black transverse lines, the exterior one dilated by the costa; reniform spot large, with an elongated brown mark in the disk, and with a black border; a row of elongated black marginal dots. Hind wings brownish, pale cinereous towards the base, with dark brown marginal lunules, and with whitish ciliæ.

a. Hindostan. From Archdeacon Clerk's collection.
b, *c*. North Hindostan. From Mr. James' collection.

2. Gadirtha impingens.

Mas. *Cinerea; palporum articulus 3us nigro fasciatus; antennæ serratæ; thorax fusco varius; alæ anticæ apud discum ferrugineæ, lineis duabus transversis, striga apud angulum interiorem guttisque marginalibus nigris, reniformi nigro notata et marginata; posticæ fuscæ, basi pallide cinereæ, ciliis albidis.* Fœm.?—*Schistacea; antennæ subciliatæ; abdomen cinereum; alæ anticæ ex parte nigro-cinereæ, apud discum ferrugineo-rufæ, lineis duabus transversis angulosis nigris, lunulis marginalibus fuscis; posticæ æneo-fuscæ, ciliis albidis.*

Male. Cinereous. Third joint of the palpi with a black band near its tip. Antennæ serrated. Thorax varied with brown. Fore wings mostly ferruginous in the disk, except towards the exterior border and along the costa; two transverse black lines, the interior one forked hindward, the second very incomplete; reniform spot with a black discal mark and with a black border; a black streak by the interior angle and a row of black marginal dots. Hind wings brown, pale cinereous towards the base; ciliæ whitish. This species very closely resembles the preceding one, and, excepting the difference in the antennæ, might be supposed to be a variety of it. *Female?*—Slate-colour. Third joint of the palpi with a black band near the tip. Antennæ minutely ciliated. Abdomen cinereous. Fore wings partly blackish gray; disk most ferruginous-red; two zigzag black transverse lines, the exterior one incomplete and very irregular; reniform spot like that of the male; a row of brown marginal lunules. Hind wings æneous-brown; ciliæ whitish. Length of the body 7½ lines; of the wings 18 lines.

a. Hindostan. From Archdeacon Clerk's collection.
b. Hong Kong. Presented by J. C. Bowring, Esq.

3. GADIRTHA DECRESCENS.

Mas. *Fusca; palpi longi, porrecti; articulus 3us 2o non brevior; antennæ subpubescentes; abdomen alas posticas triente superans; alæ anticæ angustæ, ex parte pallidiores, plagis nonnullis nigris, macula apicali pallida strigas nigras includente, lunulis marginalibus nigris.*

Male. Brown, paler beneath. Palpi porrect, long; third joint as long as the second. Antennæ minutely pubescent. Abdomen extending full one-third of its length beyond the hind wings. Fore wings narrow, varied with pale brown, with some black patches, with a pale apical spot which contains some black streaks, and with black marginal lunules. Hind wings with paler ciliæ. Length of the body 5 lines; of the wings 10 lines.

a. Ceylon. From M. Nietner's collection.

Genus 17. CICYNNA.

Mas. Corpus robustum. Caput bifasciculatum. Proboscis mediocris. Pedes validi, pilosi, subascendentes; articulus 2us crassus, pilosissimus; 3us brevis, longi-conicus. Antennæ serratæ, ciliis plurimis, corporis dimidio non longiores. Thorax squamosus. Abdomen longum, cylindricum, cristis duplicatis, alas posticas triente superans. Pedes longiusculi, sat graciles; tibiæ anticæ breviusculæ, subdilatatæ; posticæ calcaribus longissimis. Alæ non latæ, vix denticulatæ; anticæ apud costam vix convexæ, apice subrotundatæ, margine exteriore subconvexo sat obliquo.

Male. Body stout. Head with a tuft on each side at the base of the antennæ. Proboscis moderately long. Palpi stout, pilose, slightly ascending; second joint very stout and pilose; third elongate-conical, not more than one-fourth of the length of the second. Antennæ about half the length of the body, rather deeply serrated, the teeth thickly ciliated. Thorax squamose. Abdomen long, cylindrical, with slight double crests towards the base, extending full one-third of its length beyond the hind wings. Legs rather long and slender; fore tibiæ rather short, slightly dilated; hind tibiæ with very long spurs. Wings not broad, very slightly denticulated along the exterior border. Fore wings hardly convex in front, somewhat rounded at the tips, slightly convex and rather oblique along the exterior border.

1. CICYNNA SERICEA.

Mas. *Pallide cinerea; caput fuscum; thorax anticus fuscus, nigro marginatus; abdomen subfuscescens, nigro maculatum; pedes nigro lineati; alæ anticæ subsericeæ, lineis tribus transversis duplicatis, squamis basalibus, lituris duabus discalibus, strigis exterioribus lunulisque submarginalibus nigris, linea marginali fusca undulata; posticæ albidæ, margine latissimo purpureo-fusco, ciliis ex parte albidis.*

Male. Pale cinereous. Head and fore part of the thorax brown, which in the thorax is bordered with black on each side. Abdomen slightly brownish above, with a black spot near the base, and with two black spots near the tip, which is also black. Legs with black lines. Fore wings somewhat silky, with three irregular double black transverse lines, with some black scales near the base, with two small transverse black discal marks, with two or three slender exterior black streaks, with a row of slender black submarginal lunules; marginal line brown, undulating. Hind wings whitish, with a very broad purple-brown border; ciliæ partly whitish. Length of the body 12 lines; of the wings 22 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Genus 18. HARMA.

Fœm. Corpus robustum. Caput fasciculatum. Proboscis mediocris. Palpi subascendentes; articulus 2us subtus pilosus; 3us lanceolatus, 2i dimidio longior. Antennæ corporis dimidio longiores. Abdomen longiusculum, alas posticas triente superans. Pedes sat validi; tibiæ pilosissimæ, posticæ calcaribus sat longis. Alæ non latæ; anticæ apud costam rectæ apice rectangulatæ, margine exteriore subconvexo postice perobliquo.

Female. Body stout. Head tufted above. Proboscis moderately long. Palpi slightly ascending; second joint pilose beneath; third lanceolate, more than half the length of the second. Antennæ more than half the length of the body. Abdomen rather long, extending for one-third of its length beyond the hind wings. Legs rather stout; tibiæ very pilose; hind tibiæ with moderately long spurs. Wings not broad. Fore wings straight along the costa, acutely rectangular at the tips, slightly convex along the exterior border, whose hind part is very oblique.

1. HARMA VITTIPALPIS.

Fœm. *Pallide cinerea; caput fusco bistrigatum; palpi fusco vittati; alæ anticæ lineis variis transversis undulatis, guttis elongatis submarginalibus lineaque marginali nigris; costa fasciaque submarginali antice dilatata fuscis, reniformi nigro notata apud discum fusca; posticæ albidæ, margine latissimo fuscescente, ciliis albidis.*

Female. Pale cinereous. Head with a brown streak on each side. Palpi with brown stripes. Fore wings with various transverse undulating black lines, brown along the costa, except at the tip, and with a submarginal brown band, which is much dilated in front; reniform spot distinguished by black marks, its disk partly brown; a row of elongated black submarginal dots; marginal line black, slender, undulating. Hind wings whitish, with very broad brownish borders; ciliæ whitish. Length of the body 8 lines; of the wings 20 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Genus 19. AVATHA.

Fœm. Corpus robustum. Proboscis mediocris. Palpi ascendentes; articulus 2us longus, validus, subarcuatus; 3us brevis, lanceolatus, compressus. Antennæ corporis dimidio longiores. Abdomen subdepressum, alas posticas vix superans. Pedes validi, pilosi; tibiæ posticæ calcaribus longis. Alæ mediocres; anticæ apud costam subconvexæ, apice rotundatæ, margine exteriore subconvexo sat obliquo.

Female. Body stout. Proboscis moderately long. Palpi ascending; second joint long, stout, slightly curved; third lanceolate, compressed, rather more than one-fourth of the length of the second. Antennæ simple, more than half the length of the body. Abdomen somewhat flat, extending very little beyond the hind wings. Legs stout, pilose; hind tibiæ with long spurs. Wings moderately broad. Fore wings slightly convex in front, rounded at the tips, slightly convex and rather oblique along the exterior border.

1. AVATHA INCLUDENS.

Fœm. *Alba; palpi basi nigri; thorax fusco fasciatus, nigro biguttatus; abdomen apice fuscescens; tarsi nigro fasciati; alæ anticæ guttis costalibus, guttis tribus discalibus, linea arcuata guttaque apud marginem interiorem nigris, striga costali albo signata guttisque marginalibus fuscis; posticæ extus subæneæ, lunulis marginalibus fuscis.*

Female. White. Palpi black towards the base. Thorax with a pale brown band, and with a black dot on each side in front. Abdomen with a brownish tinge towards the tip. Tarsi with blackish bands. Fore wings with three black dots on the interior part of the costa, the third larger than the others, and with three black dots in the disk behind it; a large brown streak on the exterior part of the costa, including some black costal dots and a white costal streak and partly bordered with and including hindward a black curved line; a black dot on the interior border beyond two-thirds of the length, and a row of indistinct brownish marginal dots. Hind wings with an æneous tinge exteriorly and with brown marginal lunules. Length of the body 9 lines; of the wings 20 lines.

Hindostan. In Mr Saunders' collection.

Genus 20. ERCHEIA.

Fœm. Corpus vix robustum. Proboscis mediocris. Palpi erecti, sat graciles; articulus 2us subpilosus; 3us linearis, compressus, gracilis, 2i dimidio longior. Antennæ corporis dimidio longiores. Abdomen lanceolatum, basi bicristatum, alas posticas vix superans. Pedes sat graciles; femora pilosa; tibiæ posticæ calcaribus longissimis. Alæ anticæ sat angustæ, apud costam rectæ, apice angulatæ, margine exteriore subconvexo perobliquo-valde denticulato; posticæ subdenticulatæ.

Female. Body hardly stout. Proboscis of moderate length. Palpi vertical, rather slender; second joint slightly pilose; third linear, compressed, much more slender than the second and a little more than half its length. Antennæ simple, much more than half the length of the body. Abdomen lanceolate, with a double crest at the base, hardly extending beyond the hind wings. Legs rather slender; femora pilose; hind tibiæ with very long spurs. Fore wings rather narrow, straight along the costa, angular at the tips, much denticulated, slightly convex and very oblique along the exterior border. Hind wings slightly denticulated.

1. ERCHEIA DIVERSIPENNIS.

Fœm. *Pallidissime fusca, subtus albida; palpi nigro trifasciati; thorax nigro bivittatus; alæ anticæ fusco obscuro subnebulosæ, strigis nonnullis liturisque tribus apud angulum interiorem nigris; posticæ æneo-fuscæ, basi cinereæ, fascia maculisque duabus albis, subtus albidæ fasciis duabus fuscis.*

Female. Very pale brown, whitish beneath. Palpi with three blackish bands. Thorax with a black stripe on each side. Crests of the abdomen with blackish tips. Fore wings partly and slightly clouded with dark brown, adorned with some blackish streaks, of which the most conspicuous are near the interior border; three transverse black marks near the interior angle. Hind wings æneous-brown, cinereous towards the base, with a white band and with two white spots, one marginal, the other submarginal; under side whitish, with two brown bands. Length of the body 8 lines; of the wings 19 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 21. PLOTHEIA.

Fœm. Corpus vix robustum. Caput fasciculo longo porrecto. Proboscis brevis. Palpi porrecti, longiusculi; articulus 3us linearis, compressus, 2o non brevior. Antennæ sat validæ, corporis dimidio breviores. Abdomen subcarinatum, alas posticas plus triente superans. Pedes sat validi; antici pilis longis; tibiæ posticæ calcaribus elongatis. Alæ angustæ, subdenticulatæ; anticæ apud costam vix convexæ, apice subangulatæ, margine exteriore convexo subobliquo.

Female. Body hardly stout. Head with a long porrect tuft. Proboscis short. Palpi porrect, rather long; third joint linear, compressed, as long as the second. Antennæ simple, rather stout, less than half the length of the body. Abdomen slightly keeled, extending for more than one-third of its length beyond the hind wings. Legs rather stout; fore femora and fore tibiæ with long hairs; hind tibiæ with long spurs. Wings narrow, slightly denticulated. Fore wings hardly convex in front, slightly angular at the tips, convex and slightly oblique along the exterior border.

1. PLOTHEIA FRONTALIS.

Fœm. *Pallidissime cervina; thorax et alæ anticæ fusco subconspersa; alæ anticæ lituris transversis costalibus, lineis duabus angulosis undulatis, lineaque submarginali arcuata fuscis, guttis marginalibus elongatis nigris; posticæ cinereæ, cupreo-fusco marginatæ.*

Female. Very pale fawn-colour. Thorax and fore wings slightly speckled with brown. Fore wings with transverse brown marks along the costa, with two zigzag and undulating dark brown lines, with a submarginal curved dark brown line, which is partly obsolete hindward, and with elongated black marginal dots. Hind wings cinereous, with cupreous-brown borders. Length of the body 7 lines; of the wings 14 lines.

a. Ceylon. From Mr. Stevens' collection.

Genus 22. DIOMEA.

Fœm. Corpus robustum. Proboscis brevis. Palpi ascendentes, lati, compressi, subarcuati, pilosissimi; articulus 3us 2i dimidio vix brevior. Antennæ pubescentes, corporis dimidio vix longiores. Abdomen lanceolatum, alas posticas perpaullo superans. Pedes sat validi, dense pilosi; tibiæ posticæ calcaribus longissimis. Alæ subdenticulatæ, non longæ; anticæ apud costam rectæ, ad apices valde rotundatæ, margine exteriore convexo vix obliquo.

Female. Body stout. Proboscis short. Palpi ascending, broad, compressed, slightly curved, second and third joints very pilose; third a little less than half the length of the second. Antennæ pubescent, very little more than half the length of the body. Abdomen lanceolate, extending very little beyond the hind wings. Legs rather stout, densely pilose; tibiæ with very long spurs. Wings moderately broad, not long, slightly denticulated. Fore wings straight along the costa, much rounded at the tips, convex and hardly oblique along the exterior border.

1. DIOMEA ROTUNDATA.

Fœm. *Ferrugineo-fusca; alæ subylaucescentes, linea exteriore angulosa transversa albo guttata, linea submarginali guttisque marginalibus nigris; anticæ fasciis interioribus nigricantibus, litura basali guttisque costalibus albis; posticæ macula discali interiore nigra.*

Female. Ferruginous-brown, paler beneath. Wings with a slight glaucous tinge, with an exterior zigzag transverse black line, whose angles are tipped with white dots; submarginal line blackish, diffuse, indistinct; a row of deep black marginal dots; ciliæ blackish. Fore wings with a white mark at the base, with a few white dots along the costa, and with a white costal spot in front of the zigzag line; some incomplete blackish bands on the interior half. Hind wings with a large black spot in the disk near the base. Length of the body 6 lines; of the wings 14 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 23. CRIOA.

Fœm. Corpus robustum. Proboscis mediocris. Palpi longi, graciles, erecti; articulus 3us gracillimus, compressus, acuminatus, 2o non brevior. Antennæ graciles, corporis dimidio longiores. Thorax squamosus. Abdomen subcristatum, alas posticas non superans. Pedes validi, subpilosi; tibiæ posticæ calcaribus longis. Alæ mediocres, subdenticulatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo vix obliquo.

Female. Body stout. Proboscis moderately long. Palpi long, slender, vertical; third joint very slender, compressed, acuminated, as long as the second. Antennæ slender, more than half the length of the body. Thorax squamose. Abdomen slightly crested, not extending beyond the hind wings. Legs stout, slightly pilose; hind tibiæ with long spurs. Wings moderately broad, somewhat denticulated. Fore wings straight in front, slightly rounded at the tips, slightly convex and very slightly oblique along the exterior border.

1. CRIOA ACRONYCTOIDES.

Fœm. *Cana; palpi nigro notati; antennæ fulvæ; thorax nigro conspersus; abdomen cinereum; alæ anticæ nigro conspersæ et nebulosæ, lineis duabus angulosis, strigis submarginalibus lunulisque marginalibus nigris, reniformi nigra extus excavata; posticæ pallide cinereæ, margine lato fusco.*

Female. Hoary. Palpi marked with black. Antennæ tawny. Thorax speckled with black. Abdomen cinereous. Fore wings speckled and partly clouded with black, with two zigzag and very irregular deep black lines; reniform spot black, much excavated on the outer side; a row of deep black submarginal streaks between the veins; marginal lunules deep black. Hind wings pale cinereous, with broad brown borders. Length of the body 6 lines; of the wings 16 lines.

a. Moreton Bay. Presented by — Gibbons, Esq.

Genus 24. THRIA.

Mas. Corpus robustum. Caput sat magnum. Proboscis mediocris. Palpi breviusculi, sat validi, oblique ascendentes; articulus 3us clavatus, 2i dimidio non brevior. Antennæ subcrenulatæ, corporis dimidio paullo breviores. Thorax crassus. Abdomen lanceolatum, alas posticas paullo superans, fasciculo longiusculo apicali. Pedes validi, pilis longis vestiti; tibiæ posticæ calcaribus longissimis. Alæ latiusculæ, subdenticulatæ; anticæ apud costam rectæ, angulo apicali subrotundato, margine exteriore sat obliquo.

Male. Body stout. Head rather large. Proboscis moderately long. Palpi rather short and stout, obliquely ascending; third joint clavate, about half the length of the second. Antennæ very minutely crenulate, a little less than half the length of the body. Thorax very stout. Abdomen lanceolate, extending a little beyond the hind wings, with rather long apical tufts. Legs stout, clothed with long hairs; hind tibiæ with very long spurs. Wings rather broad, slightly denticulated. Fore wings straight along the costa, with the apical angle somewhat rounded; exterior border rather oblique.

1. THRIA ROBUSTA.

Mas. *Pallidissime cinerea, fusco subconspersa, subtus albida; alæ anticæ lineis transversis undulatis, lituris costalibus et macula reniformi e punctis nigris, lunulis marginalibus obscure fuscis; posticæ albæ, margine latissimo obscuriore.*

Male. Very pale cinereous, whitish beneath. Head with a few black hairs. Thorax, abdomen and fore wings minutely flecked with brown. Fore wings with the usual transverse undulating lines, the costal marks and the reniform spot composed of black flecks; marginal lunules dark brown. Hind wings white, excepting the marginal third part, which is like that of the fore wings. Length of the body 9 lines; of the wings 19 lines.

a. South Africa. From Mr. Pamplin's collection.

Genus 25. CROPIA.

Mas. Corpus sat robustum. Proboscis brevis. Palpi erecti, longiusculi, sat graciles; articulus 2us arcuatus; 3us rectus, subclavatus, 2o non brevior. Antennæ simplices, corporis dimidio non longiores. Abdomen non cristatum, alas posticas vix superans. Pedes sat validi, subciliati; tibiæ posticæ calcaribus longissimis. Alæ latiusculæ, non denticulatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore angulum interiorem versus obliquo.

Male. Body rather stout. Proboscis short. Palpi vertical, rather long and slender; second joint curved; third straight, as long as the second, slightly increasing in breadth from the base to the tip. Antennæ simple, about half the length of the body. Abdomen not crested, hardly extending beyond the hind wings. Legs moderately stout, slightly ciliated; hind tibiæ with very long spurs. Wings rather broad, not denticulated. Fore wings straight along the costa, rounded at the tips; exterior border not oblique till towards the interior angle, where it is moderately oblique.

1. CROPIA HADENOIDES.

Mas. *Fusca, subtus cinerea; abdomen pallide cinereum; alæ anticæ lineis nigris transversis undulatis, fasciis diffusis incompletis albidis, linea submarginali rufo-testacea, litura magna discali e annulis duobus rufo testaceis nigro marginatis; posticæ æneo-fuscæ, lineis duabus exterioribus indistinctis undulatis obscure fuscis pallido marginatis.*

Male. Brown, cinereous beneath. Abdomen pale cinereous. Fore wings with transverse undulating black lines, which are accompanied by diffuse and incomplete whitish bands; submarginal line reddish testaceous; a large discal mark composed of two incomplete reddish testaceous black-bordered ringlets, which intersect each other. Hind wings æneous-brown, with two indistinct exterior undulating dark brown pale-bordered lines. Length of the body 7 lines; of the wings 16 lines.

a. Bogotà. From Mr. Stevens' collection.

Genus 26. LUSIA.

Mas. Corpus gracile. Proboscis mediocris. Palpi longiusculi, vix arcuati, oblique ascendentes; articulus 2us vix robustus, subpilosus; 3us linearis, gracillimus, apice acutus, 2o non brevior. Antennæ graciles, vix ciliatæ, corporis dimidio paullo longiores. Thoracis tegulæ longæ, sat angustæ. Abdomen alas posticas non superans. Pedes graciles, subpilosi; tibiæ posticæ calcaribus longissimis. Alæ mediocres, subdenticulatæ; anticæ apud costam vix convexæ, apice subrotundatæ, margine exteriore angulum interiorem versus excavato.

Male. Body slender. Proboscis moderately long. Palpi rather long, obliquely ascending, very slightly curved; second joint hardly stout, slightly pilose; third linear, very slender, acute at the tip, as long as the second. Antennæ slender, a little more than half the length of the body; ciliæ few and very short. Thorax with rather long and narrow lappets. Abdomen not extending beyond the hind wings. Legs slender, slightly pilose; hind tibiæ with very long spurs. Wings moderately broad, slightly denticulated. Fore wings hardly convex in front, slightly rounded at the tips; exterior border not oblique in front, but moderately oblique along the exterior half.

1. Lusia geometroides.

Mas. *Fusca; abdomen cinereum; alæ punctis supra paucis subtus plurimis fasciisque duabus punctatis valde incompletis albis; anticæ macula subapicali alba.*

Male. Brown. Abdomen cinereous. Wings with a few white flecks, some of which form two very incomplete dotted bands; ciliæ with white marks; under side with the white flecks more

prevalent. Fore wings with a white spot on the fore border very near the tip. Length of the body 5½ lines; of the wings 14 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 27. PROSPALTA.

Fœm. Corpus vix robustum. Proboscis mediocris. Palpi porrecti, sat validi; articulus 3us lanceolatus, gracilis, 2i dimidio longior. Antennæ sat validæ, corporis dimidio longiores. Abdomen non cristatum, alas posticas non superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ, subdenticulatæ; anticæ apud costam vix convexæ, apice subangulatæ, margine exteriore vix convexo sat obliquo.

Female. Body hardly stout. Proboscis moderately long. Palpi porrect, rather stout; third joint lanceolate, much more slender than the second and more than half its length. Antennæ rather stout, a little more than half the length of the body. Abdomen not crested, not extending beyond the hind wings. Legs moderately stout; hind tibiæ with long spurs. Wings rather broad, slightly denticulated. Fore wings hardly convex along the costa, slightly angular at the tips, very slightly convex and rather oblique along the exterior border.

1. PROSPALTA LEUCOSPILA.

Fœm. *Fusca, subtus cinerea; palpi albo cincti; abdomen æneo-cinereum; alæ anticæ guttis variis albis, fasciis duabus aut tribus guttularibus valde incompletis, macula discali alba fusco uniguttata; posticæ æneo-cinereæ, ciliis ex parte albis.*

Female. Brown, cinereous beneath. Head and thorax with a few white flecks. Second and third joints of the palpi with white tips; third white at the base. Abdomen cinereous, with an æneous tinge. Fore wings with white dots of various size forming two or three very incomplete bands; a discal white spot accompanied by six white dots, and containing a brown dot near its inner side. Hind wings æneous-cinereous; ciliæ partly white. Length of the body 7 lines; of the wings 17 lines.

Hindostan. In Mr. Saunders' collection.

Genus 28. DECELEA.

Mas. Corpus robustum. Proboscis brevis. Palpi erecti, sat validi; articulus 3us linearis, compressus, apice rotundatus, 2o vix brevior aut gracilior. Antennæ serratæ, corporis dimidio longiores. Abdomen cristis altis, alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocres, non denticulatæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore obliquo subconvexo.

Male. Body stout. Proboscis short. Palpi vertical, rather stout; third joint linear, compressed, rounded at the tip, not much shorter or more slender than the second. Antennæ serrated, a little more than half the length of the body. Abdomen with high crests, not extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad, not denticulated. Fore wings straight in front, rounded at the tips, slightly convex and moderately oblique along the exterior border.

1. DECELEA INDIGNA.

Mas. *Ferruginea, subtus cinerea; abdomen ex parte cinereum, cristis altis ferrugineis; alæ anticæ nigro conspersæ, guttis basalibus nigris, fascia latissima nigricante-cinerea lineas incompletas undulatas nigras maculamque reniformem albido testaceam includente, linea marginali undulata pallide testacea, lunulis marginalibus obscure fuscis; posticæ cinereo-fuscæ, fascia margineque fuscis, linea angulosa albida, lunulis marginalibus albido marginatis.*

Male. Ferruginous, cinereous beneath. Abdomen partly cinereous; crests ferruginous, very stout. Fore wings sprinkled with black, with a few basal black dots, and with three or four incomplete undulating black lines, which are enclosed in a very broad blackish cinereous band; the latter also includes the whitish testaceous reniform spot; submarginal line undulating, pale testaceous; marginal lunules dark brown. Hind wings cinereous-brown; a band and the border brown, the latter including a whitish zigzag line; marginal lunules dark brown, with whitish borders. Length of the body 6—6½ lines; of the wings 14—15 lines.

a, b. St. Domingo. From Mr. Tweedie's collection.

2. Decelea diffusa.

Fœm. *Cervina; oculi magni; thorax fusco fasciatus; abdomen pallide fuscum, segmentorum marginibus pallide testaceis, apice cervino; alæ anticæ strigis exterioribus cupreis, fasciis incompletis fuscescentibus, fasciisque tribus undulatis nigricantibus, his albido marginatis, reniformi lunulisque marginalibus nigricantibus, ciliis testaceis nigricante notatis; posticæ æneo-fuscæ, basi pallidiores, fasciis ciliisque testaceis.*

Female. Fawn-colour. Eyes large. Thorax with a brown band. Abdomen pale brown; hind borders of the segments pale testaceous; tip fawn-colour. Fore wings with cupreous exterior streaks, with some incomplete brownish bands, and with three undulating blackish bands; the second or bent one and the third or submarginal one with whitish borders; reniform spot and marginal lunules blackish; ciliæ alternately testaceous and blackish. Hind wings æneous-brown, paler towards the base; some irregular bands and the ciliæ testaceous; marginal lunules dark brown. Length of the body 7 lines; of the wings 17 lines.

a. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

3. Decelea infusa.

Cervina; thorax fusco notatus; palporum articulus 3us 2o non brevior; abdomen pallidum; alæ anticæ fasciis transversis undulatis fuscis duabusque nigricantibus, plaga intermedia postica oblonga obscure fusca, fascia exteriore albida, linea submarginali pallida, lunulis marginalibus obscure fuscis; posticæ cupreo-fuscæ, lituris marginalibus albidis.

Specimen much injured. Fawn-colour. Thorax marked with brown? Third joint of the palpi full as long as the second. Abdomen pale. Fore wings with slight transverse undulating brown bands, and with an oblong large dark brown patch on the interior border between the interior and the exterior bands, which are blackish and undulating; the latter has a diffuse whitish band along its exterior side; submarginal line pale, undulating; marginal lunules dark brown. Hind wings cupreous-brown, with whitish marginal marks; under side paler, with two brown bands. Length of the body 6 lines; of the wings 14 lines.

4. DECELEA SUBAPICALIS.

Mas. *Cinereo-fusca; palporum articulus 3us 2o non brevior, apicem versus sublatescens; antennæ serratæ; thorax nigro fasciatus; abdomen pallidum, cristis fuscis; alæ anticæ lineis transversis undulatis nigris, fascia exteriore diffusa incompleta alba, linea submarginali pallida undulata, lunulis marginalibus obscure fuscis, reniformi nigro marginata; posticæ cupreo-fuscæ, basi pallidiores, lituris marginalibus ciliisque albidis.*

Male. Cinereous-brown. Third joint of the palpi full as long the second, slightly widening from the base to the tip. Antennæ strongly serrated. Thorax with a slender black band. Abdomen paler; crests brown. Fore wings speckled with dark brown, with transverse black undulating lines, the exterior one with a pale outer border, and having beyond it a diffuse and incomplete white band; submarginal line whitish, undulating; marginal lunules dark brown; reniform spot with a black border. Hind wings cupreous-brown, paler towards the base, with whitish marginal marks, and with whitish ciliæ. Length of the body 7 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

Genus 29. ELOUSA.

Fœm. Corpus robustum. Proboscis breviuscula. Palpi longi sat graciles, oblique ascendentes; articulus 3us linearis, subacuminatus, 2o vix brevior. Antennæ corporis dimidio longiores. Abdomen non cristatum, alas posticas non superans. Pedes validi; tibiæ posticæ calcaribus posticis vix longis. Alæ mediocres, denticulatæ; anticæ apud costam rectæ, apice angulatæ, margine exteriore convexo.

Female. Body stout. Proboscis rather short. Palpi long, rather slender, obliquely ascending; third joint linear, slightly acuminated, almost as long as the second. Antennæ more than half the length of the body. Abdomen not crested, not extending beyond the hind wings. Legs stout; hind tibiæ with moderately long spurs. Wings denticulated, moderately broad. Fore wings straight in front, angular at the tips, moderately oblique along the exterior border.

1. Elousa albicans.

Fœm. *Cinereo-fusca; palpi nigricantes, articulis apice albidis; thorax albo conspersus; alæ anticæ lineis transversis undulatis nigris, fasciis nonnunquam latissimis, linea submarginali maculaque reniformi excavata albis, lunulis marginalibus nigris; posticæ cinereo-albæ, margine lato fusco, lituris apud angulum interiorem nigricantibus.*

Female. Cinereous-brown. Palpi blackish; joints with whitish tips. Thorax speckled with white. Abdomen whitish. Fore wings with transverse undulating black lines, and with white bands, which, in some cases, are slight and incomplete, in others are dilated and occupy the greatest part of the surface; submarginal line and reniform spot white, the latter much excavated on the exterior side; marginal lunules black. Hind wings cinereous-white, with broad brown borders; veins exteriorly and some marks by the interior angle blackish; marginal lunules deep black; ciliæ whitish. Length of the body 4½—5 lines; of the wings 12—13 lines.

a—c. St. Domingo. From Mr. Tweedie's collection.

Genus 30. CALLYNA.

Corpus sat gracile. Proboscis breviuscula. Palpi sat longi, ascendentes, subarcuati; articulus 3us 2i dimidio brevior. Antennæ simplices, setaceæ. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam vix convexæ, apice rotundatæ, margine exteriore subconvexo et subobliquo.

Callyna, *Guen. Noct.* i.

Body rather slender. Proboscis somewhat short. Palpi rather long, slightly curved, ascending a little higher than the vertex; third joint moderately long, but not one-fourth of the length of the second. Antennæ simple, setaceous, moderately long. Legs rather stout; hind tibiæ with long spurs. Wings rather broad. Fore wings hardly convex in front, rounded at the tips, slightly convex and slightly oblique along the exterior border.

1. CALLYNA SIDEREA.

Purpureo-nigra, subtus lutea; abdomen apicem luteum; pedes luteo fasciati; alæ anticæ lineis liturisque transversis guttisque submarginalibus atris, necnon maculis guttisque marginalibus luteis et albis; posticæ cinereæ, fascia interrupta aut abbreviata alba.

Callyna Siderea, *Guen. Noct.* i. 113, 178.

Silhet.

a. North Hindostan. Presented by E. Doubleday, Esq.
b, *c*. North Hindostan. From Mr. Stevens' collection.

2. CALLYNA DECORA.

Fœm. *Cupreo-nigra, subtus cinerea; palporum articulus 3us 2i triente non brevior; alæ anticæ maculis quatuor roseo-albis guttisque duabus albis costalibus; posticæ cinereæ, gutta apicali albida.*

Female. Black, with an indistinct cupreous tinge, cinereous beneath. Proboscis tawny. Third joint of the palpi almost one-third of the length of the second. Abdomen cinereous. Fore wings with four rosy-white spots and with two white dots along the costa; first spot near the base larger than the second and than the third; the two dots between the third and the fourth, which is apical and larger than the first. Hind wings cinereous, with a whitish apical dot. Length of the body 7½ lines; of the wings 20 lines.

Port Natal. In Mr. Saunders' collection.

Genus 31. PROMETOPUS.

Mas. Corpus vix robustum. Frons valde prominens. Proboscis mediocris. Palpi porrecti, longi; articulus 3us subspatuliformis, 2o non brevior. Antennæ graciles, simplices, subpubescentes, corporis dimidio longiores. Thorax brevis, villoso-hirsutus. Abdomen lineare, alas posticas triente superans. Pedes breviusculi; postici non longiores, calcaribus inæqualibus. Alæ sat angustæ; anticæ apud costam vix convexæ, apice rectangulatæ, margine exteriore postico mediocriter obliquo.

Prometopus, *Guen. Noct.* i. 38.

Male. Body hardly stout. Front very prominent, rugulose, rounded. Proboscis of moderate length. Palpi porrect, long;

third joint as long as the second, slightly spatuliform. Antennæ slender, simple, slightly pubescent, a little more than half the length of the body. Thorax short, villose-hirsute. Abdomen linear, extending for one-third of its length beyond the hind wings. Legs rather short; hind legs not longer than the others; spurs unequal. Wings rather narrow. Fore wings hardly convex in front, rectangular at the tips, moderately oblique along the hind part of the exterior border.

This genus resembles some of the *Notodontidæ*, and like some others may be removed from the *Hypogrammidæ*, but does not well agree with the characters of any other family of *Noctuites*.

1. PROMETOPUS INASSUETA.

Mas. *Alba, flavescente et nigro varia; abdomen supra nigrum, subtus album; alæ anticæ lineis transversis denticulatis, maculis cuneatis maculisque marginalibus nigris, reniformi alba apud discum nigricante, ciliis albis nigro notatis; posticæ nigricante.*

Prometopus inassueta, *Guen. Noct.* i. 38, 42.

Australia.

Note. — The name Cænipeta abscondens, *page* 1094, must be cancelled, the specimen described being a variety of Hypogramma sublucida, *page* 1097.

Tribe 5. LIMBATÆ.

Statura magna aut mediocris. Antennæ nunquam pectinatæ. Pedes longi, rarissime pilosi. Alæ validæ, squamosæ, bene determinatæ; anticæ lineis flexuosis; posticæ discolores, bicolores; vena 1a inferior sæpissime sequentibus æqualis, non remota.

Quadrifidæ Limbatæ, *Guen. Noct.* iii. 39.

Size large or moderate. Antennæ never pectinated. Legs long, very seldom densely pilose. Wings stout, squamose, well-developed. Fore wings with flexuous lines. Hind wings with two distinct colours, different from the fore wings in hue; first inferior vein very generally equal to the others, not remote.

Some of the families which compose this tribe have very little affinity to each other, but are more allied to families of the preceding and succeeding tribes.

A. Statura sæpissime mediocris. Antennæ sæpissime mediocres aut breves.
  A. Palporum articuli distincti. Alæ posticæ disco aut basi albæ aut diaphanæ aut minus squamosæ.
    a. Thorax aut abdomen cristis distinctis. Fam. 1. CATEPHIDÆ, *Guen.*
    b. Thorax et abdomen cristis nullis. Fam. 2. BOLINIDÆ, *Guen.*
  B. Palpi crassi, extensi, articulis indistinctis. Alæ posticæ flavæ, margine nigro. - Fam. 3. HYPOCALIDÆ, *Guen.*
B. Statura sæpissime magna. Antennæ longæ. Abdomen læve, basi magis pilosum.
  A. Palpi sat graciles; articulus 3us mediocris, non spatulatus. Alæ subtus fasciis distinctissimis; posticæ bene determinatæ. læte coloratæ. - - Fam. 4. CATOCALIDÆ, *Boisd.*
  B. Palpi robusti; articulus 3us longus, spatulatus. Pedes spinosi. Alæ anticæ acutæ. - Fam. 5. OPHIDERIDÆ, *Guen.*

Fam. 1. CATEPHIDÆ.

Statura mediocris, nonnunquam magna. Fasciculus frontis prominens. Proboscis robusta, mediocris. Palpi ascendentes, breves; articulus 3us distinctus. Antennæ filiformes, maris nonnunquam pubescentes. Thorax valde cristatus. Abdomen plus minusve cristatum aut dense pilosum. Pedes breves, plus minusve pilosi. Alæ validæ, squamosæ, dentatæ aut subdentatæ, ciliis longis squamosis; posticæ disco aut basi pallidiores aut minus squamosæ.

Catephidæ, *Guen. Noct.* iii. 40.

Size moderate, rarely large. Tuft of the front prominent. Proboscis robust, of moderate length. Palpi short, ascending; third joint quite distinct. Antennæ filiform, occasionally pubescent in the male. Thorax much crested. Abdomen more or less crested or thickly pilose above. Legs short, more or less pilose. Wings stout, squamose, dentate or slightly dentate, with long squamose ciliæ. Hind wings paler or less squamose in the disk or at the base.

A. Pedes densissime pilosi. - - - 1. Cocytodes, *Guen.*
B. Pedes non densissime pilosi.
A. Pedes antici densissime pilosi.
a. Palpi articulo 3o longo. - - - 4. Erygia, *Guen.*
b. Palpi articulo 3o brevissimo. - - 8. Audea, *Walk.*
B. Pedes antici non densissime pilosi.
a. Pedes validi.
a. Palpi articulo 3o non brevissimo.
i. Palpi articulo 3o obtuso. - 2. Catephia, *Ochs.*
ii. Palpi articulo 3o lanceolato. - 3. Anophia, *Guon.*
iii. Palpi articulo 3o lineari.
* Palpi porrecti. - - - 11. Ægilia, *Walk.*
** Palpi erecti. - - - 12. Minica, *Walk.*
b. Palpi articulo 3o brevissimo.
i. Palpi porrecti.
* Alæ non breviusculæ. - 7. Lophoptera, *Guen.*
** Alæ breviusculæ. - - 14. Pætica, *Walk.*
ii. Palpi ascendentes. - - 10. Aucha, *Walk.*
b. Pedes graciles.
a. Palpi longi.
i. Palpi porrecti. - - 6. Stictoptera, *Guen.*
ii. Palpi ascendentes. - - 9. Steiria, *Walk.*
b. Palpi breves.
i. Alæ anticæ margine exteriore denticulato.
5. Odontodes, *Guen.*
ii. Alæ anticæ margine exteriore non denticulato.
13. Maceda, *Walk.*

Genus 1. COCYTODES.

Corpus valde crassum. Proboscis robusta, mediocris. Palpi validi, pilosi, erecti; articulus 3us longi-conicus, brevissimus. Antennæ validæ, simplices, corporis dimidio non longiores. Thorax pilosissimus. Abdomen alas posticas vix superans. Pedes validi, densissime pilosi; tibiæ posticæ calcaribus longis. Alæ robustæ, latiusculæ; anticæ apud costam subrectæ, apice angulatæ, margine exteriore vix denticulato sat obliquo. *Mas.*—Abdomen apice fasciculatum.

Cocytodes, *Guen. Noct.* iii. 41.

Body very thick. Proboscis stout, moderately long. Palpi stout, pilose, vertical; third joint elongate-conical, less than one-fourth of the length of the second. Antennæ stout, simple, not

more than half the length of the body. Thorax most densely clothed. Abdomen hardly extending beyond the hind wings. Legs stout, most densely clothed; hind tibiæ with long spurs. Wings rather broad, very robust. Fore wings almost straight along the costa, angular at the tips, hardly denticulated and rather oblique along the exterior border. *Male.*—Abdomen tufted at the tip; appendages large.

1. Cocytodes cærula.

Cinereo-fusca; caput nigrum; abdomen cinereum fasciis nigricantibus; alæ anticæ maculis duabus basalibus, fasciis duabus interioribus, reniformi, lineis duabus transversis valde denticulatis, fascia submarginali incompleta nigris; posticæ nigro-purpureæ, fasciis duabus albidis.

Cocytodes cærula, *Guen. Noct.* iii. 41, 1370.

a. North Hindostan. From Mr. Argent's collection.
b—d. North Hindostan. From Capt. Reid's collection.
e. Silhet. From the Rev. J. Stainforth's collection.
f. Ceylon. Presented by R. Templeton, Esq.
g. ——? Presented by E. Doubleday, Esq.
h. ——?

2. Cocytodes granulata.

Nigro-fusca; abdomen cinerascens; alæ anticæ costa, macula apicali (nigricante conspurcata) et fasciarum marginibus ferruginosis, orbiculari punctiformi pupillata, reniformi pallida antice elongata punctoque nigro terminata; posticæ nigræ, cinereo conspersæ, linea guttulari glauca.

Cocytodes granulata, *Guen. Noct.* iii. 42, 1371.

Hindostan.

3. Cocytodes modesta.

Ferrugineo-fusca; abdomen cinereum; alæ anticæ denticulatæ, apud marginem exteriorem posteriorem nigricantes, fasciis basalibus et exterioribus apud costam dilatatis nigris, orbiculari e gutta nigra, reniformi ex parte nigro marginata, guttis marginalibus nigris rufescente marginatis; posticæ purpureo-fuscæ, fasciis duabus interruptis et incompletis cæruleo-albis.

Catocala modesta, *Van der Hoeven, Lép. Nouv.* pl. 7, f. 8.
Cocytodes immodesta, *Guen. Noct.* iii. 42, 1372.

Java.

a. Ceylon. Presented by R. Templeton, Esq.
b. Sumatra. From Sir Stamford Raffles' collection.

Genus 2. CATEPHIA.

Corpus robustum. Proboscis mediocris. Palpi ascendentes, longiusculi; articulus 3us linearis, gracilis, apice obtusus, 2i dimidio longior. Antennæ setaceæ, corporis dimidio longiores. Thorax dense vestitus. Abdomen distincte cristatum, alas posticas superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subdenticulato subconvexo mediocriter obliquo. *Mas.*—Antennæ subpectinatæ. *Fœm.*—Antennæ simplices.

Catephia, *Ochs.; Hübn.; Treit.; Boisd.; Steph.; Dup.; Guen. Ann. Soc. Ent. Fr.* x. 80; *Noct.* iii. 43.

Body stout. Proboscis moderately long. Palpi ascending, rather long; third joint linear, obtuse at the tip, much more slender than the second and much more than half its length. Antennæ setaceous, more than half the length of the body. Thorax densely clothed. Abdomen distinctly crested, extending somewhat beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, rounded at the tips, slightly denticulated and convex and moderately oblique along the exterior border. *Male.*—Antennæ very minutely pectinated. *Female.*—Antennæ simple.

1. Catephia alchymista.

Nigra; palpi apice albidi; abdomen nigro-cinereum; alæ anticæ lineis transversis angulosis annulisque duobus atris, linea abbreviata punctique costalibus et marginalibus albis, fascia submarginali diffusa cervina; posticæ plaga maxima discali, ciliis ex parte guttaque postica nigris.

——— ———, *Geoff. Ins.* ii. 149. *Engr. Pap. d'Eur.* f. 556.
Noctua alchymista, *Fabr. Mant. Ins.* ii. 171, 240; *Ent. Syst.* iii. 2, 100, 298. *Wien. Verz.* 89, 6. *Bork. Eur. Schmett.* iv. 70, 27. *Hübn. Eur. Schmett. Noct.* pl. 62, f. 303. *God. Lép. Fr.* v. 100, pl. 53, f. 1. *Frey. Beitr.* iii. pl. 230.

Phalæna-Noctua alchymista, *Gmel. ed. Syst. Nat.* i. 5, 2575, 1174.
Noctua leucomelas, *Naturf.* (1780) 77, pl. 4. *Rossi, Faun. Etr.* 1132. *Esp. Schmett.* iv. pl. 107, f. 2.
Catephia alchymista, *Hübn. Verz. Schmett.* 260, 2560. *Treit. Schmett.* v. 323, 2. *Boisd. Ind. Méth.* 166, 1326. *Guen. Noct.* iii. 45, 1376.
Ophiusa alchymista, *Meig. Handb.* 183, 96, pl. 13, f. 4; *Syst. Besch.* iii. 209, 13, pl. 114, f. 3.
Catephia leucomelas, *Steph. Ill. Brit. Ent. Haust.* iii. 128.
a—d. Europe. From M. Becker's collection.

2. Catephia cestis.

Thorax cinereo-fuscus; abdomen flavescente-album; alæ anticæ pallide fuscæ, disco fasciaquè obliqua subterminali fuscis, externe fulvescente marginata, strigis crenulatis, atris, maculis ordinariis indistinctis; posticæ albæ, interne plaga flavescente, macula magna submarginali nigra.

Catephia cestis, *Ménétries Mém. Acad. Imp. Sci. St. Petersb.* 6me *Sér. Sci. Nat.* vi. 290, 870, pl. 6, f. 10.
Catephia alchymista, *Var.?*
Bachkiria.

Africa.

3. Catephia Syra.

Ochraceo-fusca; alæ anticæ carneo cinerascente et nigricante variæ, lineis transversis angustis nigris bene determinatis sinuatis et denticulatis, maculis duabus discalibus iridescente nigris, orbiculari punctiformi, reniformi vix distincta, lunulis marginalibus nigris; posticæ nigræ, fascia discali lituraque anali albis.

Catephia Syra, *Guen. Noct.* iii. 44, 1374.
Abyssinia.

Mauritius.

4. Catephia pilipes.

Ochraceo-fusca; alæ anticæ lineis transversis nigris angustis bene determinatis sinuatis et denticulatis, reniformi indistincta, annulo posteriore ovato, lunulis marginalibus nigris; posticæ nigro-fuscæ, fascia discali angusta lituraque anali flavescente-albis.

Catephia pilipes, *Guen. Noct.* iii. 44, 1373.
Mauritius.

Hindostan.

5. Catephia linteola.

Nigricans; abdomen cinereum, vix cristatum; alæ anticæ apud costam diffuse cervinæ, lineis transversis angulosis, annulo discali guttisque submarginalibus nigris; posticæ fascia lata, macula apicali lineolaque postica albis.

Catephia linteola, *Guen. Noct.* iii. 44, 1375.

a. Hindostan. From Archdeacon Clerk's collection.
b. North Hindostan. From Mr. James' collection.
c. North Hindostan. Presented by E. Doubleday, Esq.
d. Ceylon. Presented by R. Templeton, Esq.

Genus 3. ANOPHIA.

Corpus robustum. Proboscis mediocris. Palpi ascendentes, mediocres; articulus 3us lanceolatus, 2i dimidio non longior. Antennæ simplices, corporis dimidio longiores. Thorax dense vestitus. Abdomen cristatum, alas posticas non aut paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocres; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subobliquo vix denticulato, margine interiore subexcavato.

Anophia, *Guen. Ind.* 248; *Noct.* iii. 45.
Catephia, p., *Treit.*; *Boisd.*; *Dup.*
Ædia, p., *Hübn. Verz. Schmett.* 260.

Body stout. Proboscis moderately long. Palpi ascending, moderately long; third joint lanceolate, more slender than the second and about half its length. Antennæ simple, more than half the length of the body. Thorax densely clothed. Abdomen crested, extending as far as the hind wings or somewhat beyond them. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, rounded at the tips, slightly oblique and hardly denticulated along the exterior border; interior border slightly excavated.

Europe.

1. Anophia leucomelas.

Nigricans; alæ anticæ plaga costali fasciaque diffusa exteriore cervinis nigro marginatis; posticæ plaga basali ciliisque ex parte albis.

——— ———, *Engr. Pap. d'Eur.* 557, a—c.
Phalæna-Noctua leucomelas, *Linn. Syst.* 876, 183; *Faun. Suec.* 1184. *Gmel. ed. Syst. Nat.* i. 5, 2575, 183.
Noctua xanthographa, *Fabr. Sp. Ins.* ii. 234, 123; *Mant. Ins.* ii. 170, 238; *Ent. Syst.* iii. 2, 100, 296.
Noctua leucomelas, *Wien. Verz.* 90, 6. *Hübn. Eur. Schmett. Noct.* pl. 62, f. 304. *Bork. Eur. Schmett.* iv. 74, 28. *God. Lép. Fr.* v. 103, pl. 53, f. 2. *Frey. Beitr.* iv. pl. 347.
Noctua alchymista, *Esp. Schmett.* pl. 135, f. 3.
Noctua funesta, *Esp. Schmett.* pl. 88, f. 6.
Catephia leucomelas, *Treit. Schmett.* v. 321, 1. *Boisd. Ind. Méth.* 166, 1324.
Ophiusa leucomelas, *Meig. Handb.* 184, 97; *Syst. Besch.* iii. 209, 12, pl. 114, f. 4.
Anophia leucomelas, *Guen. Noct.* iii. 47, 1377.
Ædia leucomelas, *Hübn. Verz. Schmett.* 260, 2361.

a—d. Europe. From M. Becker's collection.

2. Anophia Ramburii.

Fusco-cinerea; thorax nigro fasciatus; abdomen cinereum, nigro cristatum; alæ anticæ lineis transversis, fasciis annulisque discalibus, lunulisque marginalibus nigris, linea submarginali cervina; posticæ nigræ, plaga maxima discali, macula apicali lineolaque postica albis.

Catephia Ramburii, *Boisd. Ind. Méth*, 166, 1325. *Treit. Suppl.* 159. *Dup. Suppl.* iii. 550, pl. 46. *Costa, Faun.* pl. 15, f. 1, 2.
Phalæna-Noctua leucomelas, *Clerck, Icon.* pl. 1, f, 2,
Noctua adepta, *Geyer, Eur. Schmett.* f. 702, 703.
——— ———, *Ramb. Ann. Sci. d'Obs.* (1829), 263.
Anophia Ramburii, *Guen. Noct.* iii. 49, 1380.

a, b. Europe. From M. Becker's collection.

Africa.

3. Anophia discistriga.

Fusca, subtus cinerea; palporum articulus 2us apice albidus; thorax fasciis albidis; abdomen cinereum; alæ anticæ ex parte albidæ, lineis transversis nigris, orbiculari et reniformi nigro marginatis, striga discali posteriore alba, subtus ex maxima, parte albæ fusco bimaculatæ; posticæ ciliis ex parte basique albis.

Brown, cinereous beneath. Second joint of the palpi whitish at the tip; third joint full half the length of the second. Thorax with whitish bands. Abdomen cinereous. Fore wings partly whitish, with black transverse irregular lines, and with the borders of the orbicular and reniform spots also black; a white streak in the disk behind the reniform spot; under side whitish for more than half the length from the base, with two brown spots. Hind wings white towards the base and with the ciliæ partly white. Length of the body 6½ lines; of the wings 15 lines.

a, *b*. Port Natal. From M. Gueinzius' collection.

Asia.

4. Anophia olivescens.

Mas.—*Fusca; thorax fasciis albidis et nigricantibus; abdomen lateribus albidis, apice nigricans; alæ anticæ albido nigroque variæ, macula discali alba; posticæ nigro-fuscæ, basi late maculisque duabus marginalibus albis.* Fœm. — *Thorax nigro-fuscus; alæ anticæ nigro-fuscæ, nigro variæ, macula discali albida.*

Anophia olivescens, *Guen. Noct.* iii. 48, 1379.

Java.

Australia.

5. Anophia acronyctoides.

Cinereo-fusca; thorax nigro alboque fasciatus; abdomen cinereum; alæ anticæ lineis transversis undulatis nigris, guttis costalibus, reniformis margine ex parte, litura contigua fasciaque submarginali incompleta albis; posticæ cupreo-fuscæ, basi latissime ciliisque ex parte albis.

Anophia acronyctoides, *Guen. Noct.* iii. 47, 1378.

Tasmania.

a. Punjaub. Presented by General Hearsay.
b. Nepaul. Presented by E. Doubleday, Esq.
c, *d*. Silhet. From the Rev. J. Stainforth's collection.
e, *f*. Silhet. From Mr. Sowerby's collection.
g. North Hindostan. From Mr. James' collection.
h. Ceylon. From Mr. Stevens' collection.

Genus 4. ERYGIA.

Mas. Corpus sat validum. Proboscis mediocris. Palpi longi, graciles, ascendentes, lineares; articulus 3us 2o vix brevior. Antennæ simplices, graciles, corporis dimidio longiores. Abdomen alas posticas superans, apice dense fasciculatum. Pedes graciles; anticæ densissime pilosi; tibiæ posticæ calcaribus quatuor sat longis. Alæ latæ, apud marginem exteriorem subdenticulatæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore vix obliquo, interiore vix excavato.

Erygia, *Guen. Noct.* iii. 49.

Male. Body moderately stout. Proboscis moderately long. Palpi long, slender, ascending, linear; third joint almost as long as the second. Antennæ simple, slender, rather more than half the length of the body. Abdomen extending somewhat beyond the hind wings, thickly tufted at the tip. Legs slender; hind tibiæ with four moderately long spurs; fore legs most thickly pilose. Wings broad, slightly denticulated along the exterior border. Fore wings straight in front, slightly angular at the tips, hardly oblique along the exterior border; interior border hardly excavated, very slightly angular near the base; third inferior vein very near the second; fourth moderately remote.

1. Erygia apicalis.

Ferruginosa; abdomen cinerascens; alæ anticæ fasciis incompletis nigricantibus strigisque submarginalibus glaucescentibus; posticæ cinereæ, fusco marginatæ.

Erygia apicalis, *Guen. Noct.* iii. 50, 1381.

Hindostan.

Genus 5. ODONTODES.

Corpus sat robustum. Proboscis longiuscula. Palpi sat breves, oblique ascendentes; articulus 3us linearis, truncatus, 2i triente non

longior. Antennæ filiformes, simplices, corporis dimidio longiores. Thorax subquadratus, squamosus. Abdomen basi cristatum, alas posticas paullo superans. Pedes graciles, breviusculi; tibiæ intermediæ pilis compressis, posticæ calcaribus longis. Alæ anticæ sat angustæ, apud costam rectæ, apice rotundatæ, margine exteriore subdenticulato valde obliquo, marginis interioris apice fasciculato.

Odontodes, *Guen. Noct.* iii. 50.

Body moderately stout. Proboscis rather long. Palpi rather short, obliquely ascending; third joint linear, truncate, not more than one-third of the length of the second. Antennæ filiform, simple, more than half the length of the body. Thorax subquadrate, squamose. Abdomen extending a little beyond the hind wings; first segment crested. Legs slender, rather short; middle tibiæ with compressed hairs; hind tibiæ with long spurs. Fore wings rather narrow, straight along the costa, rounded at the tips, slightly denticulate and very oblique along the exterior border; interior border tufted at the tip.

1. Odontodes Aleuca.

Pallide fusco-cinerea; alæ anticæ purpurascente tinctæ, basi magis fuscæ aut rufescentes magisque squamosæ, lineis transversis obliquis obscuris, fascia submarginali indistincta albida, maculis marginalibus anticis cuneatis pallide fuscis, reniformi magna macula liturisque fuscis; posticæ fumoso-fuscæ, apud discum pallidiores, ciliis flavescentibus.

Odontodes Aleuca, *Guen. Noct.* iii. 51, 1382.

Hindostan.

Genus 6. STICTOPTERA.

Corpus vix robustum. Proboscis breviuscula. Palpi longi, graciles, porrecti, caput longe superantes; articulus 3us linearis, 2o vix brevior. Antennæ graciles, simplices, corpore paullo breviores. Thorax bicristatus. Abdomen lanceolatum, alas posticas vix dimidio superans. Pedes graciles; tibiæ posticæ calcaribus quatuor longis. Alæ anticæ angustæ apud costam rectæ, apice subacuminatæ, margine exteriore obliquo; posticæ disco limpidæ.

Stictoptera, *Guen, Noct.* iii. 51.

Body hardly stout. Proboscis rather short. Palpi long, slender, porrect, extending far beyond the head; third joint linear,

nearly as long as the second. Antennæ slender, simple, not much shorter than the body. Thorax with two high vertical crests. Abdomen oblanceolate, extending for nearly half its length beyond, the hind wings. Legs slender; hind tibiæ with four long spurs. Fore wings narrow, straight in front, slightly acuminated at the tips, very oblique along the exterior border; first, second and third inferior veins nearly contiguous; fourth rather remote. Hind wings limpid in the disk.

West Indies.

1. Stictoptera vitrea.

Ferrugineo-fusca; abdomen cinereum; alæ anticæ cinereæ, valde attenuatæ, lineis transversis variis fuscis, fascia submarginali cervina albido marginata, lunulis marginalibus nigris; posticæ opalino-albæ, semivitreæ, fusco marginatæ.

Stictoptera vitrea, *Guen. Noct.* iii. 53, 1385.

Jamaica.

South America.

2. Stictoptera Clara.

Pallide fusca; abdominis latera pallidiora; alæ anticæ fasciis guttularibus nigris fasciisque duabus pallide testaceis, una discali incompleta, altera submarginali ramosa; posticæ vitreæ, margine lato nigro.

Phalæna-Noctua Clara, *Cram. Pap. Exot.* iv. 133, pl. 358, f. 1.
Stictoptera Clara, *Guen. Noct.* iii. 52, 1384.

Surinam.

3. Stictoptera diaphana.

Nigricans; thorax antice ferruginosus; abdomen cinereum; alæ anticæ glauco-nigricantes, ferrugineo variæ, lineis transversis variis guttisque marginalibus elongatis nigris; posticæ vitreæ, margine lato nigro-cupreo.

Stictoptera diaphana, *Guen. Noct.* iii. 53, 1386.

Para.

4. STICTOPTERA FENESTRA.

Cinerascens; alæ anticæ perangustæ, flavescente et violaceo tinctæ, flavescente notatæ, atomis lineisque transversis undulatis obscurioribus, lineis intermediis duplicatis, exteriore angulata, reniformi brevi flavescente fusco marginata, linea fusca flavo marginata, maculis sex submarginalibus cinnamoneis; posticæ vitreæ, iridescentes, nigro marginatæ.

Stictoptera fenestra, *Guen. Noct.* iii. 53, 1387.

Brazil.

5. STICTOPTERA SUBAURATA.

Ferrugineo-fusca; thorax pilis nonnullis albidis; abdomen albidum, subauratum; alæ anticæ fuscescentes iridescentes, lineis transversis undulatis albidis et obscure fuscis, postice albidæ; posticæ vitreæ, subauratæ, fusco marginatæ.

Ferruginous-brown. Thorax with some whitish hairs. Abdomen whitish, somewhat gilded. Fore wings somewhat less attenuated than those of *S. vitrea*, brownish, with pearly lustre, with transverse undulating whitish and dark brown lines, mostly whitish along the interior border for half the breadth and for more than half the length. Hind wings vitreous, slightly gilded, with brown borders. Length of the body 5½ lines; of the wings 15 lines.

Amazon Region. In Mr. Saunders' collection.

Asia?

6. STICTOPTERA CUCULLIOIDES.

Cinereo-fusca; alæ anticæ lineis obliquis undulatis obscurioribus et pallidioribus; posticæ limpidæ, marginibus latis nigro-fuscis.

Stictoptera cucullioides, *Guen. Noct.* iii. 52, 1383.

Java?

Genus 7. LOPHOPTERA.

Corpus sat validum. Proboscis brevis. Palpi mediocres, validi, porrecti, pilosi; articulus 3us conicus, brevissimus. Antennæ simplices, corporis dimidio vix longiores. Abdomen subcristatum, alas posticas vix superans. Pedes validi, longiusculi; tibiæ

posticæ calcaribus longis. Alæ angustæ, longiusculæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore subdenticulato, antice vix obliquo, postice perobliquo.

Lophoptera, *Guen. Noct.* iii. 54.
Apamea, p., *Boisd.*
Paectes? *Hübn. Verz. Schmett.* 248.

Body moderately stout. Proboscis short. Palpi stout, porrect, pilose, moderately long; third joint conical, about one-fourth of the length of the second. Antennæ simple, little more than half the length of the body. Abdomen slightly crested, hardly extending beyond the hind wings. Legs stout, rather long; hind tibiæ with long spurs. Wings narrow, rather long. Fore wings straight along the costa, somewhat angular at the tips; exterior border very slightly denticulated, hardly oblique in front, very oblique towards the interior angle.

North America.

1. Lophoptera? pygmæa.

Fœm. *Obscure fusca; alæ anticæ maculis nonnullis variis discalibus et apicalibus albis.*

Paectes pygmæa (Noctua genuina, Euphais consueta), *Hübn. Samml. Exot. Schmett.* i. 21, 55, f. 109, 110; *Verz. Schmett.* 248, 2463.

Georgia. Florida.

Africa.

2. Lophoptera cristigera.

Violaceo-cinerea; alæ anticæ subiridescentes, lineis transversis parallelis subsinuatis squamosis extus nigricantibus, intus flavescente-cinereis; posticæ vitreæ, nigro late marginatæ.

Lophoptera cristigera, *Guen. Noct.* iii. 55, 1389.

Africa.

3. Lophoptera litigiosa.

Alæ anticæ fusco-violascentes, strigis transversis undatis fuscis obscuriore marginatis, maculaque ad marginem internum fusca; posticæ utrinque nigræ basi albidæ; anticæ subtus medio albidæ.

Apamea litigiosa, *Boisd. Faune Ent. Mad. Bomb. et Maur.* 93, 1, pl. 16, f. 3.
Lophoptera litigiosa, *Guen. Noct.* iii. 55, 1390.
Madagascar.

Australia.

4. LOPHOPTERA SQUAMMIGERA.

Ferruginosa; abdomen cinereum; alæ anticæ fuscæ, vitta costali lineis transversis angulosis plus minusve incompletis guttisque marginalibus nigris, plaga elongata discali semihyalina; posticæ vitreæ, margine latissimo nigro-cupreo, ciliis albidis.

Lophoptera squammigera, *Guen. Noct.* iii. 55.

a. Moreton Bay. Presented by — Gibbons, Esq.

Var.? *Fusca; thorax nigro fasciatus; abdomen cinereum; alæ anticæ lineis transversis guttularibus lunulisque marginalibus nigris, vitta costali alba, reniformi nigro marginata, plaga discali elongata vitrea; posticæ vitreæ, margine latissimo cupreo-nigro.*

Var.? Brown. Thorax with black bands. Abdomen cinereous. Fore wings with black transverse dotted lines, and with black marginal lunules; a white stripe extending from the base of the costa, and slightly inclined towards the disk, ending by the reniform spot, which is mostly bordered with black; behind the latter there is an elongated vitreous patch, which is more distinct than that of *var. a*. Hind wings vitreous, with very broad cupreous-black borders. Length of the body 5 lines; of the wings 16 lines.

Tasmania. In Mr. Saunders' collection.

Genus 8. AUDEA.

Mas. Corpus robustum. Proboscis mediocris. Palpi ascendentes, breviusculi; articulus 3us longi-conicus, brevissimus. Antennæ fasciculato-serratæ, corporis dimidio longiores. Thorax dense vestitus. Abdomen longiusculum, alas posticas paullo superans; fasciculus apicalis parvus. Pedes validi; antice densissime pilosi; tibiæ posticæ apice fasciculatæ, calcaribus longis. Alæ longiusculæ, vix latæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore vix convexo sat obliquo.

Male. Body stout. Proboscis moderately long. Palpi ascending, rather short; third joint elongate-conical, less than one-fourth of the length of the second. Antennæ serrated on each side with minute tufts of hairs, more than half the length of the body. Thorax thickly clothed. Abdomen rather long, extending for one-fourth of its length beyond the hind wings; apical tuft small. Legs stout; fore legs most densely clothed with long hairs; hind tibiæ tufted towards the tip, with long spurs. Wings rather long, moderately broad. Fore wings straight along the costa, obtusely angular at the tips, hardly convex and moderately oblique along the exterior border.

1. AUDEA BIPUNCTATA.

Mas. *Ferruginea; caput, antennæ et thorax anticus nigra; abdomen cinereo-fuscum; pedes nigricantes, tarsis albidis, femoribus anticis supra rufescentibus; alæ anticæ nigricante-fuscæ, basi cyaneo-nigræ, lituris subobsoletis, linea transversa exteriore undulata nigra, lunulis marginalibus albidis nigro marginatis, guttis duabus ciliaribus apicalibus albis; posticæ albæ margine lato æneo-fusco.*

Male. Ferruginous. Head, antennæ and fore part of the thorax black. Abdomen cinereous-brown. Legs blackish; tarsi with whitish bands; fore femora reddish above. Fore wings blackish brown, bluish black at the base, the usual marks almost obsolete, except an exterior undulating transverse black line; a row of minute whitish marginal lunules with black borders; two more conspicuous apical white dots on the ciliæ. Hind wings white, with broad æneous-brown borders, which are attenuated towards the interior angle. Length of the body 10 lines; of the wings 26 lines.

a. Port Natal. From Mr. Plant's collection.
b. Caffraria. From M. Becker's collection.
c. Port Natal. From M. Gueinzius' collection.

Genus 9. STEIRIA.

Stictopteræ affinis. Corpus sat robustum. Proboscis mediocris. Palpi ascendentes, longiusculi, sat graciles; articulus 3us linearis, 2i dimidio longior. Antennæ graciles, subpubescentes, corpore paullo breviores. Abdomen alas posticas paullo superans; segmentum 2um cristatum, fasciculo apicali parvo. Pedes graciles; tibiæ

posticæ calcaribus longissimis. Alæ anticæ angustæ, apud costam rectæ, apice subrectangulatæ, margine exteriore subdenticulato subconvexo valde obliquo.

Allied to *Stictoptera*. Body moderately stout. Proboscis moderately long. Palpi ascending, rather long and slender; third joint linear, about two-thirds of the length of the second. Antennæ slender, very minutely pubescent, about three-fourths of the length of the body. Abdomen extending a little beyond the hind wings; second segment crested; apical tuft small. Legs slender; hind tibsæ with very long spurs. Fore wings narrow, straight along the costa, nearly rectangular at the tips; exterior border slightly denticulated and convex, very oblique.

1. Steiria subobliqua.

Mas. *Pallide cervina, subtus subalbida; thorax anticus obscure fuscus; abdomen cinereum, crista fusca; alæ anticæ lituris variis guttisque marginalibus nigris, striga subapicali atra, fascia subobliqua fusca extus nigro marginata, reniformi nigro marginata et uniguttata; posticæ cinereo-vitreæ, margine lato æneo-fusco.*

Male. Pale fawn-colour, almost whitish beneath. Thorax dark brown in front. Abdomen cinereous; crest brown. Fore wings with various black marks, with a deep black subapical streak, and with black marginal dots; a slightly oblique brown band, bordered with black on its outward side, which is near the reniform spot; the latter has a black border and contains a black dot. Hind wings grayish vitreous, with broad æneous-brown borders. Length of the body 5½—6 lines; of the wings 15—16 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. Ceylon. From Mr. Stevens' collection.

2. Steiria signifera.

Mas. *Cinereo-fusca, subtus albida; caput nigricans; abdomen cinereum; alæ anticæ fasciis nonnullis fuscis ex parte nigro marginatis, guttis marginalibus et discalibus, reniformis margine liturisque duabus (una costali, altera discali) nigris; posticæ cinereo-vitreæ, margine latissimo fusco.*

Male. Cinereous-brown, whitish beneath. Head and palpi above blackish. Abdomen cinereous. Fore wings with some brown

partly black-bordered bands, with black marginal dots, with a few black dots behind the reniform spot, which is partly bordered with black, and with two more conspicuous exterior black marks, one near the costa, the other larger and in the disk. Hind wings grayish vitreous, with very broad brown borders. Length of the body 6 lines; of the wings 16 lines.

a. Sarawak, Borneo. From Mr. Wallace's collection.

3. Steiria trajiciens.

Mas. *Cinerea; caput ferrugineo-nigrum; antennæ subpubescentes; thorax cyaneo-niger, antice ferrugineus; abdomen cristis nigricantibus; alæ anticæ fuscæ, antice glaucescentes, lineis transversis undulatis obscure fuscis valde indistinctis, linea transversa obscure fusca fasciaque cyanea approximatis, linea submarginali testacea angulosa antice obsoleta; posticæ cinereo-vitreæ, margine latissimo cupreo-fusco.*

Male. Cinereous. Head and palpi ferruginous-black. Third joint of the palpi a little shorter than in the two preceding species. Antennæ minutely pubescent. Thorax bluish black, ferruginous in front. Abdomen with blackish crests. Fore wings brown, mostly pale glaucous in front; transverse undulating lines dark brown, very indistinct; reniform spot partly blackish, traversed by a dark brown line, just beyond which there is a slight blue band; submarginal line testaceous, zigzag, obsolete in front. Hind wings grayish vitreous, with very broad cupreous-brown borders. Length of the body 6 lines; of the wing 14 lines.

a. Ceylon. From Mr. Stevens' collection.

Genus 10. AUCHA.

Mas. Corpus sat validum. Proboscis gracilis, longitudine mediocris. Palpi breves, oblique ascendentes; articulus 3us longiconicus, brevissimus. Antennæ graciles, filiformes, subpubescentes, corporis dimidio non longiores. Abdomen alas posticas vix superans. Pedes validi; tibiæ posticæ calcaribus longissimis. Alæ mediocres; anticæ apud costam subrectæ, apice subrectangulatæ, margine exteriore antico vix obliquo.

Male. Body moderately stout. Proboscis slender, moderately long. Palpi short, obliquely ascending; third joint elongate-conical, not more than one-fourth of the length of the second. An-

tennæ slender, filiform, very minutely pubescent, about half the length of the body. Abdomen slightly tufted at the tip, hardly extending beyond the hind wings. Legs stout; hind tibiæ with very long spurs. Wings moderately broad. Fore wings nearly straight along the costa, almost rectangular at the tips, hardly oblique along the exterior border till near the interior angle, where they are moderately oblique.

1. AUCHA VELANS.

Mas. *Nigro-fusca, subtus cupreo-ferruginea; abdomen cupreo-ferrugineum, lituris fere obsoletis, guttis marginalibus nigricantibus; posticæ cupreæ, basi et apud marginem interiorem pallidiores, plaga discali oblonga cervina, ciliis ex parte testaceis.*

Male. Blackish brown, cupreous, ferruginous beneath. Abdomen cupreous-ferruginous. Fore wings with a cinereous tinge; all the markings almost obsolete, except a row of blackish marginal dots. Hind wings cupreous, somewhat paler towards the base and along the interior border; an oblong fawn-coloured patch in the disk; ciliæ partly testaceous; ander side with a brown discal spot and a brown border. Length of the body 6 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 11. ÆGILIA.

Mas. Corpus robustum. Oculi magni. Proboscis valida, mediocris. Palpi porrecti, subpilosi; articulus 3us linearis, apice rotundatus, 2i dimidio longior. Antennæ simplices? Thorax elongatus, pilis arcte applicatis. Abdomen longum, alas posticas longe superans, apicem versus subattenuatum, fasciculo apicali paryo. Pedes validi; tibiæ posticæ calcaribus longis. Alæ perangustæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore denticulato subconvexo-valde obliquo.

Male. Body stout. Eyes large. Proboscis stout, moderately long. Palpi porrect, slightly pilose; third joint linear, rounded at the tip, more than half the length of the second. Antennæ simple? Thorax elongate, with the hairs closely applied. Abdomen long, extending for nearly half its length beyond the hind wings, slightly attenuated towards the tip; apical tuft small. Legs stout; hind

tibiæ with long spurs. Wings very narrow. Fore wings straight along the costa, somewhat rounded at the tips, denticulated, slightly convex and extremely oblique along the exterior border.

1. ÆGILIA DESCRIBENS.

Mas. *Cervina, subtus obscurior; alæ anticæ lineis transversis obliquis angulosis fuscis, reniformis margine et strigis marginalibus albido-testaceis, gutta antica nigricante, lunulis marginalibus elongatis obscure fuscis; posticæ cinereo-vitreæ, margine lato cupreo-fusco.*

Male. Fawn-colour, darker beneath. Fore wings with transverse oblique zigzag brown lines, which are almost obsolete on the interior side of the reniform spot; the border of the latter is mostly whitish testaceous, and there is a blackish dot between its exterior side and the costa; zigzag submarginal line and marginal streaks whitish testaceous; marginal lunules elongated, dark brown. Hind wings grayish vitreous, with broad cupreous-brown borders. Length of the body 8 lines; of the wings 18 lines.

a. Ceylon. Presented by R. Templeton, Esq.

Genus 12. MINICA.

Corpus robustum. Proboscis mediocris. Palpi longi, erecti, pubescentes, sat graciles; articulus 3us linearis, gracilis, apice rotundatus, 2o paullo brevior. Antennæ simplices, corporis dimidio longiores. Thorax squamosus. Abdomen alas posticas vix superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ mediocres; anticæ apud costam rectæ, apice rotundatæ, margine exteriore denticulato subconvexo subobliquo.

Body stout. Proboscis moderately long. Palpi long, erect, pubescent, rather slender; third joint linear, slender, rounded at the tip, a little shorter than the second. Antennæ simple, more than half the length of the body. Thorax squamous. Abdomen hardly extending beyond the hind wings. Legs stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, rounded at the tips; exterior border denticulated, slightly convex and slightly oblique.

1. MINICA CONFLUENS.

Cinereo-nigra, subtus testacea; caput cervinum; thorax antice cervinus; abdomen pallide cinereum; tarsi nigricantes, albido fasciati; alæ anticæ pallide carneæ, albo subvariæ, triente basali cinereo-nigra, fascia exteriore lunulisque marginalibus nigris, reniformi nigro submarginata; posticæ cinereo-vitreæ, margine latissimo cupreo.

Cinereous-black, testaceous beneath. Head fawn-colour. Thorax fawn-colour in front. Abdomen pale cinereous. Tarsi blackish, with whitish bands. Fore wings pale carneous, slightly varied with white, mostly cinereous-black for more than one-third of the length from the base, with an incomplete exterior black band and with black marginal lunules; reniform spot slightly bordered with black; a black interrupted subapical streak. Hind wings cinereous-vitreous, with very broad cupreous borders. Length of the body 6 lines; of the wings 16 lines.

a. ——— ? Presented by E. Doubleday, Esq.

Genus 13. MACEDA.

Mas. Corpus vix robustum. Proboscis brevis. Palpi breves, ascendentes, subpilosi; articulus 3us conicus, 2i triente non longior. Antennæ pubescentes, corporis dimidio longiores. Abdomen lanceolatum, alas posticas paullo superans, fasciculo apicali parvo. Pedes graciles, vix pilosi; tibiæ posticæ calcaribus longissimis. Alæ mediocres; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subobliquo non denticulato.

Allied to the *Pyralites*. *Male.* Body hardly stout. Proboscis short. Palpi short, ascending, slightly pilose; third joint conical, about one-third of the length of the second. Antennæ pubescent, more than half the length of the body. Thorax moderately long and pilose. Abdomen lanceolate, extending a little beyond the hind wings; apical tuft small. Legs slender, very slightly pilose; hind tibiæ with very long spurs. Wings moderately broad. Fore wings straight along the costa, somewhat rounded at the tips, slightly oblique and not denticulated along the exterior border.

1. MACEDA MANSUETA.

Mas. *Pallide cervina, subtus alba ; abdomen subæneum, fasciculo apicali albido; alæ anticæ gutta discali nigricante, lineis tribus transversis indistinctis fuscescentibus, 1a subrecta, 2a 3aque angulosis ; posticæ apud discum albidæ et semihyalinæ, litura apud angulum interiorem alba.*

Male. Pale fawn-colour, mostly white beneath. Abdomen somewhat æneous; apical tuft whitish. Fore wings with a blackish discal dot and with three indistinct transverse brownish lines; first line interior, almost straight; second and third exterior, zigzag. Hind wings whitish and semihyaline in the disk, and with an irregular white mark by the interior angle. Length of the body 6 lines; of the wings 13 lines.

a. Sarawak, Borneo. From Mr. Wallace's collection.

Genus 14. PÆTICA.

Corpus robustum. Palpi porrecti, sat longi, caput superantes. Abdomen lanceolatum, longiusculum, alas posticas superans. Pedes validi. Alæ breviusculæ, sat latæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore denticulato subobliquo.

Body robust. Palpi porrect, rather long, extending beyond the head. Abdomen lanceolate, rather long, extending for one-third of its length beyond the hind wings. Legs stout. Wings rather short and broad. Fore wings straight along the costa, slightly angular at the tips; exterior border denticulated, slightly oblique.

1. PÆTICA EUTROPIA.

Testacea; alæ anticæ ferrugineæ, nigro lituratæ, margine exteriore denticulato; posticæ testaceæ, nigro late marginatæ, strigis duabus apud angulum interiorem luteis.

Phalæna-Bombyx Eutropia, *Stoll, Suppl. Cram. Pap. Exot.* 91, pl. 18, f. 6, 6 K, 6 L, 6 M.

Surinam.

Fam. 2. BOLINIDÆ.

Statura mediocris. Corpus robustum, nonnunquam sat gracile. Probuscis mediocris. Palpi ascendentes, vix elongati; articulus 3us linearis et sat longus, aut brevissimus. Antennæ simplices, maris nonnunquam subcrenulatæ et subpubescentes. Thorax sæpissime squamosus. Abdomen rarissime cristatum. Pedes validi aut sat graciles; tibiæ posticæ calcaribus longis. Alæ anticæ longiusculæ, non latæ; posticæ sæpissime plus minusve semihyalinæ.

Bolinidæ, *Guen. Noct.* iii. 67.
Ophiusides, p., *Boisd*; *Dup.*

Size moderate. Body robust, occasionally rather slender. Proboscis of moderate length. Palpi ascending, hardly long; third joint linear, rather long, rarely very short. Antennæ simple, sometimes slightly crenulate and slightly pubescent in the male. Thorax generally squamous. Abdomen very rarely crested. Legs stout or rather slender; hind tibiæ with long spurs. Fore wings rather long, not broad. Hind wings generally more or less semihyaline.

A. Palporum articulus 3us apice truncatus. 1. LEUCANITIS, *Guen.*
B. Palporum articulus 3us non truncatus.
A. Abdomen non cristatum.
a. Tibiæ anticæ setis nullis longis.
a. Palporum articulus 3us non pilosus.
i. Palporum articulus 3us sat longus.
* Abdomen alas posticas non superans.
2. PANULA, *Guen.*
** Abdomen alas posticas superans.
† Alæ anticæ margine exteriore sat obliquo.
3. BOLINA, *Guen.*
†† Alæ anticæ margine exteriore vix obliquo.
5. GERESPA, *Walk.*
ii. Palporum articulus 3us brevissimus.
4. SYNEDA, *Guen.*
b. Palporum articulus 3us pilosus. - 6. BIULA, *Walk.*
b. Tibiæ anticæ setis longissimis. - 7. CORONTA, *Walk.*
B. Abdomen cristatum. - - - - 8. DIOPA, *Walk.*

Genus 1. LEUCANITIS.

Corpus sat gracile. Proboscis longiuscula. Palpi erecti, squamosi; articulus 3us distinctus, apice truncatus, 2o vix gracilior. Antennæ simplices, setaceæ, corporis dimidio longiores. Thorax brevis, squamosus, antice depressus. Abdomen alas posticas vix superans. Pedes longi, graciles, non pilosi. Alæ mediocres; anticæ apud costam rectæ, apice rubrotundatæ, margine exteriore subconvexo et subobliquo. *Mas.*—Antennæ subpubescentes.

Leucanitis, *Guen. Noct.* iii. 58.
Microphysa, p., *Boisd.*

Body somewhat slender. Proboscis rather long. Palpi vertical, squamous; third joint distinct, truncated at the tip, hardly more slender than the second. Antennæ simple, setaceous, more than half the length of the body. Thorax short, squamous, depressed in front. Abdomen hardly extending beyond the hind wings. Legs long, slender, not pilose. Wings moderately broad. Fore wings straight along the costa, somewhat rounded at the tips, slightly oblique and convex along the exterior border. *Male.*—Antennæ minutely pubescent.

1. Leucanitis rada.

Alæ subtus albæ, nigro maculatæ; anticæ nigro-fuscæ, fascia transversa prope basim, macula reniformi obsoleta strigulaque fulgurata cinereo pallidis; posticæ nigræ albo maculatæ.

Microphisa rada, *Kindermann, Boisd. Ann. Soc. Ent. Fr.* 2me Sér. vi. *Bull.* xxx. 12.
Leucanitis rada, *Guen. Noct.* iii. 58, 1391.

Crimea.

Genus 2. PANULA.

Corpus sat gracile. Proboscis gracilis, breviuscula. Palpi oblique ascendentes, sat graciles, non longi; articulus 3us linearis, 2i dimidio non brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas non superans. Pedes graciles, longiusculi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo et sat obliquo. *Mas.*—Antennæ subpubescentes.

Panula, *Guen. Noct.* iii. 59.

Body rather slender. Proboscis slender, rather short. Palpi obliquely ascending, rather slender, not long; third joint linear, about half the length of the second. Antennæ simple, more than half the length of the body. Abdomen not extending beyond the hind wings. Legs slender, rather long; hind tibiæ with long spurs. Wings rather broad. Fore wings straight along the costa, somewhat rounded at the tips, slightly convex and moderately oblique along the exterior border. *Male.*—Antennæ crenulate, minutely pubescent.

1. PANULA INCONSTANS.

Fusca; alæ anticæ fasciis duabus (1*a basali*, 2*a latissima intus valde excavata*) *pallido marginatis punctisque marginalibus nigricantibus; posticæ margine obscuriore.* Var.—*Fusco-cervina; fasciæ subobsoletæ.*

Panula inconstans, *Guen. Noct.* iii. 59, 1392.

North America.

2. PANULA REMIGIPILA.

Rufo-cervina; antennæ albidæ; pedes pilosi; abdomen pallide cinerascens; alæ anticæ lineis tribus transversis et reniformis margine albidis nigricante marginatis, punctis marginalibus nigris; posticæ cinereo-cervinæ, basi albidæ.

Panula remigipila, *Guen. Noct.* iii. 60, 1393.

a. East Florida. Presented by E. Doubleday, Esq.

Genus 3. BOLINA.

Corpus robustum. Proboscis mediocris. Palpi erecti, caput non superantes; articulus 3us linearis, apice rotundatus, 2i dimidio longior. Antennæ graciles, simplices, corporis dimidio longiores. Abdomen alas posticas plus minusve superans. Pedes longiusculi, sat graciles; tibiæ posticæ calcaribus longis. Alæ mediocres; anticæ apud costam rectæ, apice rotundatæ, margine exteriore plus minusve obliquo.

Melipotis et Ædia, *Hübn. Verz. Schmett.* 260; *Samml. Exot. Schmett.*

Body stout. Proboscis moderately long, Palpi erect, not ascending above the head; third joint linear, rounded at the tip,

more than half the length of the second. Antennæ slender, simple, a little more than half the length of the body. Abdomen extending more or less beyond the hind wings. Legs rather long and slender; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight in front, rounded at the tips, slightly or moderately oblique along the exterior border.

Europe.

1. Bolina Cailino.

Albida; thoracis tegulæ nigro marginatæ; alæ anticæ nigro-fuscæ, lineis transversis undulatis nigris albisque, fascia media antice dilutata cervina, litura discali testacea fusco signata nigro marginata, margine exteriore glaucescente lunulis nigris; posticæ albæ, margine lato nigro macula una guttisque duabus albis includente, ciliis albis ex parte nigris.

Ophiusa Cailino, *Lefebvre, Ann. Soc. Linn.* vi. 95, pl. 5. *Ramb. Ann. Sci. Obs.* ii. 10, pl. 5. *Boisd. Ind. Méth.* 170, 1366. *Geyer, Schmett.* f. 834. *Dup. Suppl.* iii. 506, pl. 43, f. 4. *Herr.-Schæff. Schmett. Eur.* iii. pl. 49, f. 245.

Bolina Cailino, *Guen. Noct.* iii. 62, 1397.

South France. Spain. Sicily.

Var.? *Eversm. Faun. Volg-Ural.* 343.

South Russia.

North America.

2. Bolina Jucunda.

Mas. *Cinerea; alæ marginibus albis, anticæ strigis maculisque anticis et discalibus nigris, subtus fuscæ basi maculaque magna discali albis; posticæ canæ subtus albæ, margine lato nigro, maculis duabus ciliisque albis.*

Melipotis Jucunda (Noctua semigeometra, Heliothis tristata), *Hübn. Samml. Exot. Schmett.* i. 17, 41, f. 81, 182.

Bolina cinis, *Guen. Noct.* iii. 62, 1395.

a—c. East Florida. Presented by E. Doubleday, Esq.

d. Georgia. From Mr. Milne's collection.

Mexico.

A. Alæ posticæ macula alba.
A. Alæ posticæ macula basali alba.
a. Alæ anticæ basi pallidiores. - - imparallela, *Guen.*
b. Alæ anticæ basi subnigræ. - - nigrobasis, *Guen.*
B. Alæ posticæ macula basali maxima alba. - limitaris, *Guen.*
B. Alæ posticæ macula sordide albida. - famelica, *Guen.*
C. Alæ posticæ albo hyalinæ. - - - fasciolaris, *Hübn.*

3. Bolina imparallela.

Saturate cinereo-fusca; alæ anticæ violaceo-tinctæ, basi pallidiores subcarneæ, lineis transversis vagis parallelis approximatis cinereis, fascia media obliqua subcarnea lineolis tribus rufescentibus interrupta, macula discali oblonga pallide carneo-flava, lituris intermediis nigris; posticæ nigræ, macula basali ciliisque exterioribus albis.

Bolina imparallela, *Guen. Noct.* iii. 65, 1402.

Mexico? Colombia.

4. Bolina nigrobasis.

B. imparallelæ, *var.? Major, obscurior; alæ anticæ basi subnigræ, macula discali fasciaque media subconfusis, fascia exteriore obliqua parallela marginibus rectis.*

Bolina nigribasis, *Guen. Noct.* iii. 65, 1403.

Mexico.

5. Bolina limitaris.

Rufescens, B. cuneari *simillima; alæ anticæ macula discali subtus majore, supra conspicua pallida ovata; posticæ macula discali alba maxima.*

Bolina limitaris, *Guen. Noct.* iii. 70, 1413.

Mexico.

6. Bolina famelica.

Var.? *Ferruginea; abdomen cupreo-cinereum; alæ anticæ ex parte glauco aut cupreo variæ, lineis duabus interioribus duabusque exterioribus transversis nigris, linea intermedia transversa fusca maculaque discali nigra contiguis, reniformi ex parte nigra albo ex parte marginata, guttis submarginalibus nigricantibus; posticæ cupreo-fuscæ, macula discali sordide albida, macula apud angulum interiorem testacea.*

Bolina famelica, *Guen, Noct.* iii. 62, 1396.

Campeachy.

Var.? Ferruginous. Abdomen cupreous-cinereous. Fore wings here and there with a glaucous or cupreous tinge, with four transverse black lines; two of the lines interior, indistinct; the other two exterior, irregular, incomplete, diverging in front; a middle transverse brown line, which is contiguous to an irregular black spot, the latter is behind the reniform mark, which is also distinguished by a black spot, and has its border partly black, partly white; submarginal dots blackish. Hind wings cupreous-brown, with a dingy whitish spot in the disk, and with a testaceous spot near the interior angle; apical part of the ciliæ white. Length of the body 7 lines; of the wings 18 lines.

a. Honduras. From Mr. Dyson's collection.

7. BOLINA FASCIOLARIS.

Mas. *Nigro-fusca; abdomen cinereum; alæ anticæ fascia obliqua antemedia albida, fascia albido abbreviata elliptica post media, triente apicali glaucescente plagam costalem nigram includente; posticæ albo hyalinæ margine lato nigro, ciliis ex parte albis.*

Ædia fasciolaris (Noctua semigeometra, Heliothis tristis), *Hübn. Samml. Exot. Schmett.* iii. 15, 223, f. 443, 444.

Bolina fascicularis, *Guen. Noct.* iii. 63, 1398.

Vera Cruz. Bahia. Honduras. Amazon River.

a, b. St. Domingo. From Mr. Tweedie's collection.
c. St. Domingo. From M. Sallé's collection.
d. Brazil. From Mr. Mornay's collection.
e. Tapayos. From Mr. Bates' collection.

West Indies.

A. Alæ posticæ plaga discali testacea. - - russaris, *Guen.*
B. Alæ posticæ fascia cinerea.
A. Alæ anticæ ferrugineo-fuscæ. - - - excavans, *Walk.*
B. Alæ anticæ cinereæ. - - - glaucipennis, *Walk.*
C. Alæ posticæ sordide testaceæ. - - - subtilis, *Walk.*
D. Alæ posticæ albido-testaceæ.
A. Alæ anticæ ferrugineæ. - - - Januaris, *Guen.*

B. Alæ anticæ glauco-cinereæ. - - heliothoides, *Guen.*
E. Alæ posticæ pallide cinerascentes. - perpendicularis, *Guen.*
F. Alæ posticæ albidæ.
A. Alæ anticæ fascia cervina. - - - ochrodes, *Guen.*
B. Alæ anticæ fascia nulla cervina.
A. Alæ anticæ plagis nullis albidis.
a. Alæ anticæ apud costam non nigricantes. terminifera, *Walk.*
b. Alæ anticæ apud costam nigricantes. - parens, *Walk.*
B. Alæ anticæ plagis duabus albis. - lucigera, *Walk.*
G. Alæ posticæ disco basali aut medio albo.
A. Alæ anticæ maculis nullis semihyalinis.
A. Thorax nigro non vittatus. - - - contorta, *Guen.*
B. Thorax nigro vittatus. - - - bistriga, *Walk.*
B. Alæ anticæ maculis semihyalinis.
H. Alæ posticæ albæ, margine latissimo. - cunearis, *Guen.*
I. Alæ posticæ albæ margine lato. - - - bivittata, *Walk.*
A. Alæ anticæ ciliis nullis albis.
A. Alæ anticæ plaga albido-testacea. - Novanda, *Guen.*
B. Alæ anticæ macula pallida. - confirmans, *Walk.*
C. Alæ anticæ macula nulla pallida. - umbrosa, *Walk.*
B. Alæ anticæ ciliis subapicalibus albis. - strigifera, *Walk.*

8. Bolina contorta.

Var.? *Fuscescente-cinerea, subtus albida; abdomen cinereum; alæ anticæ ferrugineo-fuscæ, apud costam pallidiores, margine exteriore cinereo, maculis duabus parvis discalibus nigris, linea interiore transversa duplicata ferruginea, fascia nigra vaga undulata subduplicata valde obliqua, linea subcostali duplicata obliqua ferruginea, punctis marginalibus nigris; posticæ cupreo-fuscæ, disco basali strigisque duabus marginalibus albis.*

Bolina contorta, *Guen. Noct.* iii. 64, 1401.

Var.? Brownish cinereous, whitish beneath. Abdomen cinereous. Fore wings ferruginous-brown, paler about the costa, cinereous along the exterior border; two small black discal spots, one of them divided by a pale streak; a double interior transverse ferruginous line; an irregular undulating partly double very oblique black band, which commences near the tip and has its curves dilated, especially the last one, which is contiguous to the two discal spots; a short double oblique ferruginous line between it and

the costa; a row of black marginal points. Hind wings cupreous-brown, white in the disk towards the base, and with two white streaks, one apical, the other by the interior angle. Length of the body 10 lines; of the wings 24 lines.

a. Brazil. From Mr. Mornay's collection.

9. Bolina Januaris.

Var.? *Fuscescente-cinerea, subtus alba; abdomen cinerascens; alæ anticæ ferrugineæ, fasciis obscurioribus indistinctis, fascia exteriore pallidiore distincta antice dilatata, maculis discalibus et exterioribus, guttis marginalibus strigaque apud reniformem nigris, reniformi alba; posticæ albido-testaceæ, semihyalinæ, margine lato cupreo-fusco maculam albido-testaceam includente, ciliis ex maxima parte albis.*

Bolina Januaris, *Guen. Noct.* iii. 67, 1406.

Haiti. Cayenne.

Var.? Brownish cinereous, white beneath. Abdomen cinereous. Fore wings mostly ferruginous, with some indistinct darker bands and with a distinct exterior paler band, which is dilated in front; some black discal and exterior spots, and a row of black marginal dots; reniform spot white, interrupting a black streak. Hind wings whitish testaceous, semihyaline, with a broad cupreous-brown border, which contains a whitish testaceous spot; ciliæ mostly white. Length of the body 6 lines; of the wings 16 lines.

a. Venezeula. From Mr. Dyson's collection.

10. Bolina russaris.

Var.? *Rufo-ferruginea, subtus alba; palpi basi albi; abdomen cinereo-ferrugineum; alæ anticæ plagis duabus discalibus subobsoletis pallidioribus, plaga costali subapicali rufa, reniformi ex parte punctisque marginalibus nigris; posticæ nigricantes, plaga disculi macula marginali ciliisque testaceis.*

Bolina russaris, *Guen. Noct.* iii. 69, 1411.

Martinico.

a, *b*. St. Domingo. From Mr. Tweedie's collection.

11. Bolina cunearis.

Var.? *Fuscescente-cervina, subtus alba; palpi basi albi; abdomen opalino-cinereum; alæ anticæ plagis duabus indistinctis semihyalinis subcinereis, lituris aliis solitis sæpissime obsoletis; posticæ albæ, margine latissimo nigro-fusco, ciliis albis spatio brevi nigricante.*

Bolina cunearis, *Guen. Noct.* iii. 70, 1414.

Cuba.

Var.? Brownish fawn-colour. Under side and palpi at the base white. Abdomen pearly cinereous. Fore wings with two indistinct semihyaline grayish discal patches, and occasionally with indications of other marks, which in their form resemble those of *B. fasciolaris*. Hind wings white, with very broad dark brown borders; ciliæ white, blackish for a short space in the middle. Length of the body 6—8 lines; of the wings 16—20 lines.

The specimens here described may be varieties of *B. fasciolaris*.

a—c. Venezuela. From Mr. Dyson's collection.
d. Brazil. From Mr. Argent's collection.
e, f. St. Domingo. From Mr. Tweedie's collection.
g. St. Domingo. From Mr. Hearse's collection.
h, i. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

12. Bolina Novanda.

Cinerascens; abdomen canescens; alæ anticæ pallide cervinæ, apud discum nigricantes, punctis bashbus nigris, fascia lata plagaque angulosa connexis albido-testaceis; posticæ albæ, margine lato cupreo-fusco.

Bolina Novanda, *Guen. Noct.* iii. 64, 1399.

Colombia.

a. Jamaica.

13. Bolina perpendicularis.

Nigricans; alæ anticæ cinereo variæ, fasciis duabus non obliquis (2a postice abbreviata) lunulaque postica sordide albidis; posticæ pallide cinerascentes, margine latissimo nigricante guttam pallidam includente, ciliis ex maxima parte albis.

Bolina perpendicularis, *Guen. Noct.* iii. 65, 1404.

Colombia.

a. Jamaica. From Mr. Gosse's collection.
b—d. Venezuela. From Mr. Dyson's collection.
e. Honduras. From Mr. Dyson's collection.
f. Jamaica.

14. Bolina heliothoides.

Glauco-cinerea; abdomen æneo-cinereum; alæ anticæ maculis costalibus fasciisque duabus postice abbreviatis lunulisque marginalibus nigris, fascia secunda lituram albidam includente; posticæ testaceæ, margine lato cupreo-fusco maculam testaceam includente, ciliis albidis.

Bolina heliothoides, *Guen. Noct.* iii. 68, 1410.

Colombia.

a, *b*. St. Domingo. From Mr. Tweedie's collection.
c. St. Domingo. From Mr. Hearse's collection.
d. Venezuela. From Mr. Dyson's collection.
e. ——— ?

15. Bolina ochrodes.

Nigro-cinerea; abdomen cinereum; alæ anticæ fascia lata subobliqua cervina pallido marginata, plaga angulata discali cervino-cinerea, margine exteriore cinereo, macula apicali lunulisque marginalibus nigris; posticæ albidæ, margine nigricante guttam albidam includente, ciliis ex maxima parte albis.

Bolina ochrodes, *Guen. Noct.* iii. 64, 1400.

a. Jamaica.
b, *c*. St. Domingo. From Mr. Hearse's collection.
d—h. St. Domingo. From Mr. Tweedie's collection.
i, *j*. Venezuela. From Mr. Dyson's collection.

16. Bolina terminifera.

Cinerea, subtus alba; thorax squamosus, iridescens; abdomen nonnunquam albidum; alæ anticæ guttis duabus basalibus macula apicali lunulisque marginalibus nigris, linea interiore trans-

versa, plagaque maxima trigona maculam albam nigro marginatam includente, reniformi e litura alba strigaque nigra, linea apud plagam nigro-cinerea; posticæ albidæ, margine fusco, gutta marginali albida, ciliis albis. Var.—*Alæ anticæ nigro-cinereæ.*

Closely allied to *B. heliothioides*. Cinereous, white beneath. Thorax squamous, with pearly lustre. Abdomen occasionally whitish. Fore wings with two black basal dots, and with a brown, interior transverse line, which is often more or less black and is occasionally double; middle third part of the wing occupied by a very large triangular brown patch, which is contracted or obsolete hindward and much dilated in front, and includes a large whitish angular black-bordered spot, on whose inner side is the reniform spot; the latter is distinguished by a white mark on a black streak; a blackish gray line along the outer side of the patch; a black apical spot and black marginal lunules. Hind wings whitish, with a more or less brown border, which contains a whitish dot near the interior angle; ciliæ mostly white. Length of the body 6—8 lines; of the wings 16—20 lines.

Var. Fore wings dark gray, with the exception of the black parts and of the white streak on the inner side of the discal patch, which is almost as dark as the rest of the wings.

a, b. St. Domingo. From Mr. Hearse's collection.
c—g. St. Domingo. From Mr. Tweedie's collection.
h. Jamaica. From Mr. Gosse's collection.
i. Venezuela. From Mr. Dyson's collection.

17. Bolina lucigera.

Mas. *Pallide cinerea, subtus alba; abdomen alas posticas sat superans, fasciculo apicali albido; alæ anticæ guttis basalibus nigris, fasciis duabus (una interiore, altera exteriore) nigris interlineatis, spatio intermedio obscure cinereo nigricante nebuloso plagas duas albidas, plaga exteriore trilanceolata, linea marginali nigra undulata, ciliis fuscescentibus albo interlineatis; posticæ albidæ, marginibus latissimis cupreo-fuscis, ciliis albis.*

Female. Pale cinereous, white beneath. Abdomen extending somewhat beyond the hind wings, with a whitish apical tuft. Fore wings with some black dots near the base, with the middle part mostly blackish on a dark cinereous ground, enclosed by black

interlined bands, and mostly occupied by two large whitish patches, the exterior one trilanceolate on its outer side; a black undulating marginal line; ciliæ brownish, interlined with white. Hind wings whitish, with broad cupreous-brown borders; ciliæ white, with the exception of a slight brown mark. Length of the body 10 lines; of the wings 20 lines.

a. St. Domingo. From Mr. Tweedie's collection.

18. BOLINA STRIGIFERA.

Fusca, subtus albida; thorax nigro fasciatus; abdomen fuscescente-cinereum; alæ anticæ strigis variis ex parte confluentibus lunulisque marginalibus nigris; fascia interiore plagaque discali exteriore obliquis plus minusve pallidioribus, reniformi e litura albida, ciliis plus minusve albis; posticæ albæ, marginibus latissimis cupreo-fuscis, ciliis ex parte albis. Mas.—*Abdominis fasciculus apicalis albus.*

Brown, whitish beneath. Thorax with a black band. Abdomen brownish cinereous. Fore wings cinereous, with diffuse and partly confluent black streaks, which are most prevalent near the base and towards the exterior border, where they form a band; an oblique interior band and a large oblique discal exterior spot more or less paler than the rest of the wings; reniform spot distinguished by a whitish mark; marginal lunules black; ciliæ more or less white. Hind wings white, with very broad cupreous-brown borders; ciliæ white, with the exception of two brown intervals. *Male.*—Abdomen with a white apical tuft. Length of the body 6—7 lines; of the wings 16—18 lines.

a—c. St. Domingo. From Mr. Tweedie's collection.

19. BOLINA GLAUCIPENNIS.

Cinerea, subtus alba; thorax squamosus, iridescens; alæ anticæ nigro conspersæ, lituris costalibus basalibus, lineis duabus interioribus transversis approximatis, lineis duabus mediis approximatis guttisque marginalibus nigris, reniformi pallida indistincta, plaga exteriore discali transversa oblonga pallide cinerea, fascia adhuc exteriore obliqua fusca, striga subcostali submarginali pallide testacea; posticæ obscure fuscæ, fascia discali brevi cinerea, macula marginali albido-testacea, ciliis ex maxima parte albis.

Cinereous, white beneath. Thorax squamous, with pearly lustre. Fore wings speckled with black, with black costal marks at the base, and with two interior black transverse approximate lines; two middle transverse black lines, which include between them the pale indistinct mark of the reniform spot; the inner line is nearly straight, the outer one irregular, and beyond it there is a transverse oblong pale cinereous discal patch; beyond the latter there is an oblique brown band, which is bordered on its exterior side towards the costa by a pale testaceous streak; marginal dots black. Hind wings dark brown, with a short cinereous discal band, and with a whitish testaceous marginal spot; ciliæ mostly white. Length of the body 7 lines; of the wings 18 lines.

a. St. Domingo. From Mr. Tweedie's collection.

20. Bolina parens.

Obscure fusca, subtus alba; thorax squamosus, iridescens, ex parte albidus; abdomen pallide cinereum; alæ anticæ apud costam nigricantes, linea transversa indistincta interiore nigricante, guttis duabus basalibus nigris, reniformi e macula nigra albo strigata, linea transversa exteriore contorta nigra, linea submarginali indistincta, punctis marginalibus nigris; posticæ albidæ, marginibus latis cupreo-fuscis, ciliis ex maxima parte albis.

Dark brown, white beneath. Thorax partly whitish, squamous, iridescent. Abdomen pale cinereous. Fore wings blackish along the costa, and with a blackish indistinct interior transverse line; two black basal dots; reniform spot distinguished by a white streak, traversing a black spot; exterior transverse black line much contorted; submarginal line indistinct; marginal points black. Hind wings whitish, with broad cupreous-brown borders; veins brown; ciliæ white, blackish for a short space in the middle. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

21. Bolina excavans.

Ferrugineo-fusca, subtus albida; abdomen cinereum, æneo tinctum; alæ anticæ nigro ex parte conspersæ, gutta basali guttaque discali nigris, lineis duabus transversis (1a subarcuata, 2a valde contorta) nigris pallido marginatis, spatio intermedio pallide cinereo fasciam fuscam includente, reniformi albo marginata, fascia exteriore fusca, margine exteriore cinereo, macula apicali fusca; posticæ cupreo-fuscæ, fascia incompleta subcinerea, ciliis ex maxima parte albis.

Ferruginous-brown, whitish beneath. Abdomen cinereous, with an æneous tinge. Fore wings with a black basal dot and with two black transverse pale-bordered lines; between these the wings are mostly pale cinereous, speckled with black, and include a brown band and a black dot by the reniform spot, which is mostly bordered with white; first line slightly curved; second line much contorted, and bounded on the exterior side by an irregular unconformable brown band, which is dilated in front, beyond this the wings are cinereous and have a cupreous tinge along the exterior border and a brown apical spot. Hind wings cupreous-brown, with an incomplete indistinct somewhat cinereous band; ciliæ mostly white. Length of the body 7 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

22. Bolina bistriga.

Mas. *Pallide ferrugineo-fusca, subtus albida; thorax vittis duabus anticis nigris, lateribus nigricantibus; abdomen cinereum; alæ anticæ strigis, macula apicali punctisque lunulisque marginalibus nigris, fascia obliqua pallida ex parte alba plagaque discali angulata pallida connexis, reniformi ex parte alba nigro marginata, linea submarginali pallida subundulata, margine exteriore cinereo; posticæ cupreo-fuscæ, disco basali, maculis duabus marginalibus, ciliisque ex maxima parte albis.*

Male. Pale ferruginous-brown, whitish beneath. Thorax blackish on each side and with two short black stripes in front. Abdomen cinereous. Fore wings with black streaks and with a pale partly white oblique band, which is connected with a pale angular discal patch; the latter contains the reniform spot, which is partly white with a black border; submarginal line pale, slightly undulating, the space between it and the exterior border cinereous, with a black apical spot and black marginal points; marginal lunules black, much attenuated. Hind wings cupreous-brown; disk white towards the base; two white marginal spots; ciliæ mostly white. Length of the body 8 lines; of the wings 18 lines.

a. St. Domingo. From Mr. Hearse's collection.
b, *c*. St. Domingo. From Mr. Tweedie's collection.

23. Bolina bivittata.

Pallide fusca, subtus albida ; thorax nigro conspersus et bivittatus ; abdomen cinereum ; alæ anticæ basi nigro variæ, striga basali pallida brevi lata, fascia interiore obliqua pallide ferruginea plagaque pallidiore discali angulata connexis nigro marginatis, reniformi viridescente nigro alboque marginata, fascia exteriore undulata oblique nigricante intus diffusa extus pallido marginata, guttis submarginalibus nigris ; posticæ albæ, marginibus latissimis cupreo-fuscis, gutta marginali ciliisque ex maxima parte albis.

Pale brown, whitish beneath. Thorax speckled with black, and with two black stripes. Abdomen cinereous. Fore wings varied with black at the base, with the exception of a pale short broad basal streak ; a pale ferruginous oblique interior band and a paler and generally whitish angular discal patch connected together and bordered with black, the latter including on its inner side the reniform spot, which is greenish and has a black and white border; a more exterior blackish undulating oblique band, which is diffuse on its inner side, and has a pale exterior border; a row of submarginal black dots. Hind wings white, with very broad cupreous-brown borders, with a white marginal dot and with mostly white ciliæ. Length of the body 7—9 lines ; of the wings 16—20 lines.

a. St. Domingo. From Mr. Hearse's collection.
b—d. St. Domingo. From Mr. Tweedie's collection.
e. Jamaica. Presented by E. Doubleday, Esq.
f. Venezuela. From Mr. Dyson's collection.
g. Honduras. From Mr. Dyson's collection.
h, i. ——— ? Presented by J. G. Children, Esq.

24. Bolina subtilis.

Mas. *Ferrugineo-fusca, subtus albida ; abdomen fuscescente-cinereum ; alæ anticæ cinereo tinctæ, nigro subconspersæ, lineis transversis fuscis indistinctis, reniformi albo submarginata, macula costali fuscescente, plaga nigricante costali subapicali pallido marginata et tripunctata, punctis submarginalibus nigris ; posticæ sordide testaceæ, gutta discali fusca, marginibus latissimis cupreo-fuscis, macula marginali testacea, ciliis ex parte albis.*

Male. Ferruginous-brown, whitish beneath. Abdomen brownish cinereous. Fore wings with a cinereous tinge, slightly powdered with black; transverse lines brown, indistinct; reniform spot black, partly bordered with white, and having a brownish spot between it and the costa; a blackish costal subapical patch with a pale border, and with three pale points on the costa, towards which it is paler; submarginal points black. Hind wings dingy testaceous, with a brown discal dot and with very broad cupreous-brown borders, which contain a testaceous marginal spot; ciliæ partly white. Length of the body 6 lines; of the wings 16 lines.

a. St. Domingo. From Mr. Tweedie's collection.

25. Bolina confirmans.

Fuscescente-cinerea, subtus albida; abdomen cinereum; alæ anticæ nigro subconspersæ, fasciis latis diffusis, lineis duabus transversis nigricantibus, una interiore subrecta, altera exteriore valde contorta maculæ transversæ oblongæ pallidæ dimidium includente, reniformi subobsoleta, linea submarginali pallida undulata, lunulis marginalibus obscure fuscis; posticæ albæ, marginibus latis fuscis, ciliis albis. Var.—*Alæ anticæ fasciis lineaque contorta maculaque pallida subobsoletis, reniformi magis distincta.*

Brownish cinereous, whitish beneath. Abdomen cinereous. Fore wings minutely speckled with black; bands brown, diffuse; two blackish transverse lines; one interior, nearly straight; the other exterior, much contorted, and half including a transverse oblong pale spot; reniform spot almost obsolete; submarginal line pale, undulating; marginal lunules dark brown. Hind wings white, with broad brown borders, which are interrupted near the interior angle; ciliæ white. *Var.*—Fore wings with the bands and the contorted line and the pale spot almost obsolete; reniform spot more distinct, grayish on a blackish ground. Length of the body 6 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Jamaica.

26. Bolina umbrosa.

Fœm. *Cinerea, subtus albida; thorax nigro conspersus; alæ anticæ nigro dense conspersæ, lineis duabus transversis lunulisque marginalibus nigris, macula reniformi nigra cervino ex parte marginata, linea interiore subduplicata, exteriore valde contorta, linea submarginali undulata cervina nigricante marginata; posticæ albæ, margine lato cupreo-fusco, gutta marginali ciliisque albis.*

Female. Cinereous, white beneath. Thorax speckled with black. Fore wings thickly speckled with black; two transverse lines and the intermediate reniform spot black, partly bordered with fawn-colour; interior line partly double; exterior line much contorted; submarginal line undulating, fawn-colour, with blackish borders; marginal lunules black. Hind wings white, with broad cupreous-brown borders, which contain a whitish dot, and are almost interrupted towards the interior angle; ciliæ white, with the exception of a slight brown streak. Length of the body 6 lines; of the wings 14 lines.

a. St. Domingo. From Mr. Tweedie's collection.

South America.

A. Alæ anticæ vitta nulla albida.

A. Abdomen non longum.

A. Alæ posticæ basi subpallidiores. - - cellaris, *Guen.*
B. Alæ posticæ apud discum subpallidiores. - turbata, *Walk.*
C. Alæ posticæ fascia incompleta testacea. marmoraris, *Guen.*
D. Alæ posticæ albido-testaceæ, margine latissimo.
a. Alæ anticæ fascia albida. - - manipularis, *Guen.*
b. Alæ anticæ fascia testacea. - - indomita, *Walk.*
c. Alæ anticæ fascia nulla albida aut testacea. stolida, *Walk.*
E. Alæ posticæ cinereæ. - - - disturbans, *Walk.*
F. Alæ posticæ subcinereæ. - - - excepta, *Walk.*
G. Alæ posticæ sordide albidæ. - - gubernata, *Walk.*
H. Alæ posticæ basi albæ. - - comprehendens, *Walk.*
I. Alæ posticæ macula discali alba. - - fuscaris, *Guen.*
J. Alæ posticæ albæ, margine latissimo.
a. Alæ anticæ albo fasciatæ. - - illuminaris, *Walk.*
b. Alæ anticæ albo non fasciatæ. - - decreta; *Walk.*

κ. Alæ posticæ albæ, margine lato.
a. Alæ anticæ rufo-fuscæ. - - brunnearis, *Guen.*
b. Alæ anticæ cinereæ. - - - recipiens, *Walk.*
B. Abdomen longum. - - - - agrotoides, *Walk.*
B. Alæ anticæ vitta albida. - - - - - Clara, *Cram.*

27. Bolina cellaris.

Saturate flavescente-cinerea; corpus gracile; alæ latiusculæ; anticæ nigro variæ, spatio basali antico, fascia maculaque discali pallide flavescente-cinereis, macula trigona nigra velutina, fascia submarginali antice nigra vaga, postice pallida nigricante-cinerea; posticæ nigricantes, basi subpallidiores, ciliis exterioribus albis.

Bolina cellaris, *Guen. Noct.* iii. 66, 1405.

Colombia ?

28. Bolina marmoraris.

Ferrugineo-fusca; abdomen cinerascens; alæ anticæ fasciis tribus (3a antice repanda) punctisque marginalibus nigris; posticæ cupreo-fuscæ, fascia incompleta maculaque postica testaceis, ciliis albidis ex parte nigris.

Bolina marmoraris, *Guen. Noct.* iii. 67, 1407.

Brazil. Honduras.

29. Bolina manipularis.

Var.? *Cinerea; abdomen pallidum, subtestaceo-cinereum; alæ anticæ fascia obliqua albida extus fusco intus nigro marginata fasciaque contorta antice albida postice fuscescente extus nigro marginata connexis, fascia exteriore incompleta undulata nigricante, fascia submarginali pallide cinerea, lunulis marginalibus pallide fuscis; posticæ albido-testaceæ, margine latissimo cupreo-fusco maculam albido-testaceam includente, ciliis albis spatio brevi fusco.*

Bolina manipularis, *Guen. Noct.* iii. 68, 1409.

Brazil.

Var.? Cinereous. Abdomen somewhat paler, with a slight testaceous tinge. Fore wings with an oblique whitish band, which is bordered with black on the interior side, and with brown on the outer side, where it communicates with a contorted and very irregular band, which is bordered with black on the exterior side, and is whitish in front, pale brown hindward; an exterior incomplete undulating blackish band, and a submarginal pale cinereous band; marginal lunules pale brown. Hind wings whitish testaceous, with very broad cupreous-brown borders, which include a whitish testaceous spot; ciliæ white, except a short brown interval. Length of the body 9 lines; of the wings 22 lines.

a. ———? From Mr. Milne's collection.

30. Bolina fuscaris.

Pallide rufo-fusca; alæ anticæ subviolaceæ, nebulis costalibus fasciisque duabus postice contiguis et angulum acutum fingentibus saturatioribus; posticæ nigræ, macula discali trigona lineolisque duabus marginalibus albis.

Bolina fuscaris, *Guen. Noct.* iii. 70, 1415.

Monte Video.

31. Bolina brunnearis.

Rufo-fusca, parva, subtus alba; pedes non fasciculati; alæ anticæ apud discum subpallidiores, denticulatæ, apice acutæ, maculis duabus costalibus magnis angulatis nigris; posticæ albo hyalinæ, venis margineque lato nigricantibus, macula marginali flavescente.

Bolina brunnearis, *Guen. Noct.* iii. 68, 1408.

Pernambuco.

32. Bolina turbata.

Fusca, sat gracilis, subtus cinerea; thorax nigro conspersus; abdomen cinereo-fuscum; alæ anticæ vitta undulata diffusa lunulisque marginalibus nigris, fascia interiore pallida obliqua sordide albida antice dilatata, plaga discali pallida reniformem cinerascentem subincludente, margine exteriore cinerascente fusco subnebuloso, striga postica nigra pallido marginata; posticæ fuscescentes, apud discum subpallidiores, macula marginali pallida.

Brown, cinereous beneath, rather slender. Thorax speckled with black. Abdomen cinereous-brown. Fore wings with an undulating diffuse black stripe, which extends from the base of the interior border to the tip; a pale interior oblique dingy whitish band, which is contracted in the middle and dilated in front; beyond it and in front of the stripe there is a pale patch, which is partly occupied by the grayish dark-bordered reniform spot; exterior border grayish, partly clouded with brown; marginal lunules black, attenuated; a black pale-bordered streak extending from the stripe to the interior angle. Hind wings brownish, indistinctly paler in the disk, and with a pale marginal spot. Length of the body 6 lines; of the wings 16 lines.

a, *b*. Venezuela. From Mr. Dyson's collection.

33. Bolina indomita.

B. terminiferæ *affinis. Cinerea, subtus albida; thorax squamosus, iridescens; alæ anticæ guttis duabus basalibus nigris, fascia interiore lata obliqua pallide testacea fusco marginata, plaga discali pallide testacea angulata maculis nigris extus marginata, striga inter fasciam et plagam lata cinerea, linea antica obliqua alba, fascia exteriore obliqua undulata fusca intus diffusa extus pallido marginata, lunulis marginalibus nigricantibus; posticæ testaceæ, marginibus cupreo-fuscis, macula marginali testacea, ciliis ex maxima parte albis.*

Very nearly allied to *B. terminifera*, from which it is chiefly distinguished by the larger size and different shape of the pale discal patch, and by the difference in the streak on the inner side of this patch. Cinereous, whitish beneath. Thorax squamous, with pearly lustre. Fore wings with two black basal dots, and with a broad oblique interior pale testaceous band, which is bordered with brown on the outer side and with a double brown line on the inner side; discal patch pale testaceous, angular, with a macular black border on the outer side, and connected on the inner side with the band by a broad cinereous streak, in front of which there is a white oblique line; an exterior oblique undulating brown band, which is diffuse on the interior side, and has a pale exterior border; marginal lunules blackish. Hind wings testaceous, with very broad cupreous brown borders, which contain a testaceous spot; ciliæ mostly white. Length of the body 9 lines; of the wings 22 lines.

a. Brazil. From Mr. Mornay's collection.

34. Bolina stolida.

Fusca, subtus albida; thorax squamosus, subiridescens; abdomen cinereum; alæ anticæ glauco-cinereæ, ex parte ferrugineæ, lituris costalibus obscure fuscis, reniformi nigra albido strigata, gutta contigua nigra, plaga costali subapicali cinereo-fusca nigro ferrugineoque marginata, punctis marginalibus nigris; posticæ sordide testaceæ, litura discali fusca, marginibus latissimis cupreo-fuscis; macula marginali testacea elongata, ciliis apicalibus albis.

Brown, whitish beneath. Thorax squamous, with somewhat pearly lustre. Abdomen cinereous. Fore wings glaucous-cinereous, partly ferruginous, and with some dark brown marks along the costa; reniform spot partly black with a whitish streak on its outer side, near which there is a black dot; a dark brown, gray-tinged, black and ferruginous-bordered costal subapical patch; marginal points black. Hind wings dingy testaceous, with a brown discal mark and with very broad cupreous-brown borders, which contain a testaceous elongated spot and do not extend to the interior angle; apical ciliæ white. Length of the body 6½ lines; of the wings 17 lines.

a. Honduras. From Mr. Dyson's collection.

35. Bolina disturbans.

Fusca, subtus albida; abdomen fuscescente-cinereum; alæ anticæ lineis nonnullis transversis subobsoletis fuscis, lituris costalibus pallidis, plaga nigricante costali subapicali pallido strigata, lunulis marginalibus nigris; posticæ cinereæ, semihyalinæ, marginibus latis fuscis, macula marginali albida, ciliis ex maxima parte albis.

Brown, whitish beneath. Abdomen brownish cinereous. Fore wings with some almost obsolete transverse brown lines, with some pale costal marks, and with a blackish costal subapical patch, which is traversed by a pale streak; marginal lunules black. Hind wings cinereous, semihyaline, with broad brown borders, and with a whitish marginal spot; ciliæ mostly white. Length of the body 5—5½ lines; of the wings 14—15 lines.

a, *b*. Venezuela. From Mr. Dyson's collection.

36. Bolina gubernata.

Cinereo-fusca, subtus sordide albida; thorax squamosus, iridescens; abdomen cinereum; alæ anticæ subcupreæ lineis transversis subobsoletis, reniformi e strigis duabus transversis arcuatis nigris, linea submarginali indistincta, guttis marginalibus nigris; posticæ sordide albidæ, marginibus latissimis cupreo-fuscis, ciliis ex parte albis.

Cinereous-brown, dingy whitish beneath. Thorax squamous, with iridescent lustre. Abdomen cinereous. Fore wings with a slight cupreous tinge; transverse lines almost obsolete; reniform spot represented by two black curved transverse streaks; submarginal line indistinct; marginal dots black. Hind wings dingy whitish, with very broad cupreous-brown borders, which occupy nearly half the length; ciliæ partly white. Length of the body 6 lines; of the wings 14 lines.

a. Parà. Presented by Gordon Graham, Esq.

37. Bolina comprehendens.

Ferruginea, subtus albida; abdomen cinereum; alæ anticæ cupreo tinctæ, nigro conspersæ, lineis nonnullis interioribus undulatis transversis lunulisque marginalibus nigris, plaga discali angulata ex parte albida nigro bis marginata, spatio exteriore obscuriore subpurpurascente, fascia indistincta nigricante undulata; posticæ cupreo-fuscæ, antice iridescentes, basi ciliisque ex maxima parte albis, macula marginali testacea.

Ferruginous, whitish beneath. Abdomen cinereous. Fore wings with a cupreous tinge speckled with black, and with some black interior undulating transverse lines; discal patch angular, partly whitish, with a double black border, which is dilated, and forms a streak on the inner side; beyond this the wings are darker and have a purplish tinge, and contain a blackish indistinct undulating band and black marginal lunules. Hind wings cupreous-brown, iridescent in front, white towards the base, and with a testaceous marginal spot; ciliæ mostly white. Length of the body 9 lines; of the wings 22 lines.

a. Brazil. From Mr. Mornay's collection.

38. Bolina illuminans.

Ferrugineo-fusca, subtus alba; palpi basi subtus albi; abdomen pallide cinereum; alæ anticæ dimidio basali nigro-fuscæ, apud costam cinerascentes, plaga costali subapicali nigro-fusca albo marginata, fascia lata obliqua alba fusco subconspersa postice testaceo tincta, fascia exteriore fusca postice subcinerascente, margine exteriore cupreo-cinereo, punctis marginalibus nigris; posticæ albæ, marginibus latissimis cupreo-fuscis, ciliis ex maxima parte albis.

Ferruginous-brown, white beneath. Palpi white at the base beneath. Abdomen pale cinereous. Fore wings grayish along the costa, blackish brown for full half the length from the base, and with a blackish brown costal subapical patch; which is bordered with white; the dark part includes an oblique broad white band (which is slightly speckled with brown, and has a testaceous tinge hindward), and is bordered by a more irregular and upright brown band, which has a grayish tinge hindward and is abbreviated in front; beyond this band the wings are cupreous-cinereous, with black marginal points. Hind wings white, with very broad cupreous-brown borders; ciliæ mostly white. Length of the body 7 lines; of the wings 20 lines.

a. Honduras. From Mr. Dyson's collection.

39. Bolina decreta.

Fusca, nigro varia, subtus albida; thorax squamosus; abdomen fuscescente-cinereum; alæ anticæ cupreo tinctæ, fasciis duabus latissimis obscurioribus indistinctis subpurpurascentibus ex parte nigro marginatis, reniformi e strigis duabus transversis arcuatis nigris; guttis marginalibus nigris; posticæ albæ, marginibus latissimis cupreo-fuscis, ciliis ex parte albis.

Brown, whitish beneath. Head and thorax varied with black. Thorax squamous. Abdomen brownish cinereous. Fore wings with a cupreous tinge, and with two very broad indistinct darker bands, which have a slight purplish tinge and are partly bordered by black lines; reniform spot distinguished by two transverse curved black streaks; marginal dots black. Hind wings white, with very broad cupreous-brown borders, which occupy almost half the length; ciliæ partly white. Length of the body 7½ lines; of the wings 17 lines.

a. Honduras. From Mr. Dyson's collection.

40. Bolina excepta.

B. terminiferæ *affinis. Fuscescente-cinereæ, subtus albida; thorax squamosus, iridescens; alæ anticæ cinereæ, subviridescentes, lineis nonnullis transversis basalibus unaque exteriore fuscis, lituris apud marginem interiorem fuscis, plagis duabus costalibus obscure cinereo-fuscis,* 1a *nigro strigata discum attingente,* 2a *subapicali extus ferrugineo marginata, reniformi e litura nigra, lunulis marginalibus nigricantibus; posticæ pallide subcinereæ, marginibus latissimis cupreo-fuscis, macula albida marginali, ciliis ex maxima parte albis.* Fœm.? — *Major, obscurior; alæ anticæ lineis transversis distinctioribus, macula discali nulla, plaga transversa discali pallida magis determinata.*

Much resembles *B. terminifera.* Brownish cinereous, whitish beneath. Thorax squamous, with pearly lustre. Fore wings cinereous, with a slight grayish tinge, with one exterior and some basal brown transverse lines, with some brown marks along the interior border, and with two dark grayish brown costal patches; first patch extending to the disk, traversed by a black streak, and partly including the reniform spot, which is distinguished by a white mark; second patch subapical, bordered on the exterior side by a ferruginous mark; marginal lunules blackish. Hind wings pale grayish, with very broad cupreous-brown borders, which include a whitish marginal spot; ciliæ mostly white. Length of the body 6 lines; of the wings 16 lines.

a, b. Venezuela. From Mr. Dyson's collection.

Female? Much darker and larger than the male. Fore wings with the transverse lines more distinct, without the black discal spot, and with the pale discal transverse patch much more clearly defined. Length of the body 7 lines; of the wings 18 lines.

a. Venezuela. From Mr. Dyson's collection.

41. Bolina recipiens.

Mas. *Obscure cinerea, subtus albida; abdomen pallide cinereum; alæ anticæ ex parte pallidiores, lituris costalibus, lineis duabus transversis lunulisque marginalibus nigris, linea* 1a *subrecta,* 2a *valde contorta, linea exteriore indistincta pallide cinerea, linea submarginali cervina undulata, margine exteriore nigricante et cervino; posticæ albæ, margine lato fusco, gutta marginali albida, ciliis albis.*

Male. Dark cinereous, whitish beneath. Thorax somewhat iridescent. Abdomen pale cinereous. Fore wings with some black costal marks, and with two transverse black lines, between which the wings are mostly very pale cinereous; first line nearly straight; second incomplete, much contorted; an indistinct exterior pale cinereous line; submarginal line fawn-colour, undulating; space between it and the black marginal lunules blackish, partly fawn-colour. Hind wings white, with broad brown borders, which are interrupted near the interior angle, and contain a whitish dot; ciliæ white, excepting a short brown streak. Length of the body 5 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

42. BOLINA AGROTOIDES.

Mas. *Fuscescente-cervina, subtus albida; abdomen longum, albido-cinereum; alæ anticæ maculis duabus (una basali interiore altera costali media) fasciaque marginali latissima cinereo-nigris, lituris nonnullis costalibus, lineis incompletis angulosis transversis guttisque marginalibus nigris, reniformi e striga pallida; posticæ albæ, marginibus latis cupreo-fuscis, ciliis albis.*

Male. Brownish fawn-colour, whitish beneath. Abdomen long, whitish cinereous. Fore wings with a cinereous black spot near the base of the interior border, with another on the middle of the costa, and with a very broad marginal band of the same hue; some black marks along the costa, and some incomplete angular transverse black lines; reniform spot distinguished by a pale streak; marginal dots black. Hind wings white, with broad cupreous-brown borders, which do not extend to the interior angle; ciliæ white. Length of the body 10 lines; of the wings 22 lines.

a. Venezuela. From Mr. Dyson's collection.

Fœm.? *Cervina; abdomen pallide cinereum, subtus albidum; alæ anticæ angustiores, pallidiores, maculis duabus fasciaque marginali subpurpurascente cinereis, lineis transversis nigris maculaque reniformi distinctioribus, guttis nonnullis basalibus nigris, linea transversa submarginali incompleta nigricante.*

Female? Fawn-colour. Abdomen pale cinereous, whitish beneath. Fore wings narrower, paler, cinereous with a lilac tinge where they are cinereous-black in the male; transverse black lines

and the reniform spot more distinct; some black basal dots; a blackish, incomplete, irregular transverse line in the marginal band. Length of the body 10 lines; of the wings 20 lines.

a. Venezuela. From Mr. Dyson's collection.

43. Bolina? Clara.

Ferrugineo-fusca; alæ anticæ vitta lanceolata albida, posticæ albæ, margine latè fusco.

Phalæna-Noctua Clara, *Cram. Pap. Exot.* iv. 43, pl. 311, f. B.

Surinam.

Country unknown.

44. Bolina acontioides.

Albido-cinerea; palporum articulus 2us latus, securiformis; alæ anticæ violacea subnebulosæ, fascia exteriore nigra valde contorta, strigis marginalibus nigris; posticæ albæ, margaritaceæ, nigro marginatæ.

Bolina acontioides, *Guen. Noct.* iii. 61, 1394.

Genus 4. SYNEDA.

Corpus sat validum. Proboscis valida, vix longa. Palpi erecti, caput non superantes; articulus 3us conicus, brevissimus. Antennæ graciles, simplices, corporis dimidio paullo longiores. Pedes sat validi; tibiæ posticæ, calcaribus longis. Alæ mediocres; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo et subobliquo. *Mas.*—Abdomen alas posticas superans, apice fasciculatum. *Fœm.*—Abdomen alas posticas vix superans.

Syneda, *Guen. Noct.* iii. 71.
Ædia, p. *Geyer.*

Body moderately stout. Proboscis stout, moderately long. Palpi vertical, not ascending above the head; third joint conical, very small, not more than one-fourth of the length of the second. Antennæ slender, simple, little more than half the length of the body. Legs moderately stout; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, rounded at the tips, slightly convex and slightly oblique along the exterior

border. *Male.*—Abdomen tufted at the tip, extending somewhat beyond the hind wings. *Female.*—Abdomen hardly extending beyond the hind wings.

1. SYNEDA LIMBOLARIS.

Mas. *Cinerascens; abdominis segmento pallido marginata; alæ anticæ cervino tinctæ, plaga apice maxima, fasciis testaceis nigricante late marginatis, litura apicali alba; posticæ nigro-cupreæ, dimidio basali excavato lineaque exteriore testaceis, ciliis ex parte albis.*

Ædia limbolaris (Noctua semigeometra, Heliothis tristis, *Geyer, Zutr. Samml. Exot. Schmett.* 23, 345, f. 689, 690.
Syneda limbolaris, *Guen. Noct.* iii. 71, 1416.

a—c. Georgia. From Mr. Milne's collection.
d. St. John's Bluff, E. Florida. Presented by E. Doubleday, Esq.

2. SYNEDA GRAPHICA.

Fusca; alæ anticæ lineis transversis obscurioribus apicibusque pallidioribus, fasciisque duabus lividis, 1a lata, 2a postice abbreviata; posticæ luteæ, basi margine fasciaque intermedia interrupta fuscis.

Drabteria graphica (Noctua semigeometra, Euclidia maculata), *Hübn. Samml. Exot. Schmett.* i. 8, 6, f. 11, 12.
Syneda graphica, *Guen. Noct.* iii. 71, 1417.

Georgia, Florida.

Genus 5. GERESPA.

Fœm. Corpus robustum. Proboscis mediocris. Palpi validi, oblique ascendentes; articulus 3us linearis, apice rotundatis, 2i dimidio brevior. Antennæ simplices, corporis dimidio longiores. Abdomen alas posticas paullo superans. Pedes sat validi; tibiæ posticæ calcaribus longis. Alæ latiusculæ; anticæ apud costam subrectæ, apice rotundatæ, margine exteriore subconvexo vix obliquo non denticulato.

Female. Body stout. Proboscis moderately long. Palpi stout, obliquely ascending; third joint linear, rounded at the tip, a little less than half the length of the second. Antennæ simple, little more than half the length of the body. Abdomen extending

a little beyond the hind wings. Legs rather stout; hind tibiæ with long spurs. Wings rather broad. Fore wings almost straight along the costa, rounded at the tips, slightly convex, hardly oblique and not denticulated along the exterior border.

1. GERESPA PROLATA.

Fœm. *Nigricante-fusca, subtus albido-cinerea; thorax squamosus, subiridescens; abdomen cinereo-cupreum; alæ anticæ obscure cupreo-fuscæ, lituris subobsoletis, reniformi et guttis marginalibus nigris; posticæ cupreo-fuscæ, disco basali ciliisque ex parte albis.*

Female. Blackish brown, whitish cinereous beneath. Thorax squamous, somewhat iridescent. Abdomen grayish cupreous. Fore wings dark cupreous-brown; the usual marks almost obsolete, except the reniform spot and the marginal dots, which are black. Hind wings cupreous-brown; disk white towards the base; ciliæ white towards the interior angle and about the tips. Length of the body 7½ lines; of the wings 18 lines.

a. Jamaica. From Mr. Gosse's collection.

Genus 6. BIULA.

Corpus sat gracile. Proboscis mediocris. Palpi ascendentes, longiusculi, sat graciles; articulus 3us pilosus, compressus, linearis, apice rotundatus, 2i triente non longior. Antennæ corporis dimidio longiores. Thorax squamosus. Abdomen alas posticas vix superans. Pedes graciles; tibiæ posticæ calcaribus longis. Alæ mediocriter latæ; anticæ apud costam rectæ, apice subrotundatæ, margine exteriore subconvexo sat obliquo vix denticulato. *Mas.*—Antennæ validæ, subcrenulatæ, subpubescentes.

Body rather slender. Proboscis moderately long. Palpi ascending, rather long and slender; third joint pilose, compressed, linear, rounded at the tip, forming an obtuse angle with the second, and not more than one-third of its length. Antennæ more than half the length of the body. Thorax somewhat squamous. Abdomen hardly extending beyond the hind wings. Legs slender; hind tibiæ with long spurs. Wings moderately broad. Fore wings straight along the costa, somewhat rounded at the tips, slightly convex, moderately oblique and hardly denticulated along the exterior border. *Male.*—Antennæ stout, minutely crenulate and pubescent.

1. Biula propria.

Mas. *Testacea, subtus alba; abdomen albido-testaceum; alæ anticæ atomis basalibus, lituris costalibus, linea contorta exteriore, macula apicali guttisque marginalibus nigris, fascia interiore fusca nigro marginata, reniformi pallide cinerea cervino marginata, gutta contigua nigra, spatio exteriore fusco, linea subarcuata pallide cinerea, margine cervino; posticæ albæ, cupreo-fusco marginatæ, macula marginali alba.*

Male. Testaceous, white beneath. Abdomen whitish testaceous. Fore wings with some black marks along the costa, with a cinereous tinge, and slightly sprinkled with black at the base, near which there is an incomplete brown band bordered with black on its outer side; reniform spot pale cinereous, bordered with fawn-colour, and having a black dot on its inner side; beyond this a much contorted black line mostly divides the testaceous hue from the exterior brown part; it is succeeded by a pale cinereous slightly curved line and the marginal part is fawn-colour, with a black apical spot and black marginal dots. Hind wings white, with cupreous-brown borders, which almost include a white spot, and do not extend to the interior angle, by which there is a brown dot. Length of the body 4½—5 lines; of the wings 11—12 lines.

a—*c*. St. Domingo. From Mr. Tweedie's collection.

Genus 7. CORONTA.

Mas. Corpus sat robustum. Proboscis longiuscula. Palpi erecti, caput superantes, sat graciles; articulus 3us linearis, apice rotundatus, 2i dimidio brevior. Antennæ validæ, subcrenulatæ. Abdomen alas posticas paullo superans; sexualia longiuscula. Pedes validi; tibiæ anticæ setis gracillimis longissimis; posticæ calcaribus longis. Alæ mediocres, anticæ apud costam rectæ, apice rotundatæ, margine exteriore subconvexo subobliquo non denticulato.

Male. Body moderately stout. Proboscis rather long. Palpi erect, rising higher than the head, rather slender; third joint linear, rounded at the tip, less than half the length of the second. Antennæ stout, very minutely crenulated. Abdomen extending a little beyond the hind wings; appendages rather long. Legs stout; fore tibiæ with very long and slender bristles; hind tibiæ with long

spurs. Wings moderately broad. Fore wings straight along the costa, rounded at the tips, slightly convex and oblique along the exterior border, which is not denticulated.

1. Coronta surrepens.

Mas. *Cinerea, subtus albida; thorax fasciis nigris albo marginatis, strigis duabus lateralibus cervinis; abdomen apice album; alæ anticæ pallide subpurpurascentes, fasciis incompletis cervinis nigro marginatis, reniformi magna, albida, linea submarginali albida undulata extus cupreo-cervino marginata, lunulis marginalibus magnis nigris; posticæ albæ, marginibus latissimis cupreo-fuscis, ciliis albis.*

Male. Cinereous, whitish beneath. Thorax with black white-bordered bands, and with a fawn-coloured streak at the base of each fore wing. Abdomen with a white apical tuft. Fore wings with a pale purplish tinge, and with incomplete cupreous fawn-coloured black-bordered bands; reniform spot large, mostly whitish; submarginal line whitish, undulating, bordered on its outer side with cupreous fawn-colour; marginal lunules large, black. Hind wings white, with very broad cupreous-brown borders; ciliæ white, with the exception of a brown streak. Length of the body 7 lines; of the wings 16 lines.

Haiti. In Mr. Saunders' collection.

Genus 8. DIOPA.

Fœm. Corpus robustum. Proboscis brevis. Palpi validi, ascendentes; articulus 3us linearis, gracilis, apice rotundatus, 2i dimidio non longior. Antennæ validæ, simplices, corporis dimidio longiores. Abdomen alas posticas triente superans; segmenta 1o ud 3um cristata. Pedes validi; tibiæ posticæ calcaribus longissimis. Alæ sat angustæ; anticæ apud costam rectæ, apice rotundatæ, margine exteriore subobliquo subconvexo vix denticulato.

Female. Body stout. Proboscis short. Palpi stout, ascending; third joint linear, rounded at the tip, much more slender than the second and about half its length. Antennæ stout, simple, much more than half the length of the body. Abdomen strongly crested on the first, second and third segments, extending for about one-third of its length beyond the hind wings. Legs stout; hind

tibiæ with very long spurs. Wings rather narrow. Fore wings straight in front, rounded at the tips, slightly oblique and convex and hardly denticulated along the exterior border.

1. DIOPA FURCULA.

Fœm. *Pallide cervina, subtus albida; abdomen pallide cinereum, cristis nigricantibus; alæ anticæ guttis costalibus nigricantibus, fascia media recta lata nigricante intus albo marginata postice dilatata et angulata, strigis duabus posticis exterioribus nigris, lunulis submarginalibus albidis extus nigro marginatis, ciliis fuscis cyanescente tinctis; posticæ albæ, marginibus latis fuscis, guttis marginalibus albis, striga apud angulum interiorem nigra.*

Female. Pale fawn-colour, whitish beneath. Abdomen pale cinereous; crests blackish. Fore wings with some blackish dots along the costa, and with a blackish broad straight middle band, which is bordered with white on its inner side, and on its outer side near the hind end is dilated into an acute angle, which almost joins a forked black streak; the latter is accompanied by another black streak, which is marginal; submarginal lunules whitish, bordered with black on the outer side; ciliæ brown, partly with a bluish tinge. Hind wings white, with a black streak by the interior angle, and with broad brown borders, which contain a row of white marginal dots. Length of the body 6 lines; of the wings 13 lines.

a. Ega. From Mr. Bates' collection.

Fam. 3. HYPOCALIDÆ.

Statura mediocris. Palpi crassi, arcte applicati, rostriformes, articulis indistinctis. Alæ posticæ sæpissime flavæ nigro marginatæ.

Hypocalidæ, *Guen. Noct.* iii. 73.

Size moderate. Palpi thick, prominent, rostriform, closely applied together; joints indistinct. Hind wings most often yellow, with black borders.

Genus 1. HYPOCALA.

Corpus robustum. Caput mediocre. Oculi magni. Proboscis sat longa. Palpi porrecti, lati, arcte applicati, rostrum fingentes; articulus 3us lanceolatus, 2o non brevior. Antennæ corporis dimidio non aut paullo breviores. Abdomen alas posticas paullo superans. Pedes validi; tibiæ posticæ calcaribus longis. Alæ anticæ mediocriter latæ, apud costam rectæ, apice subrotundatæ, margine exteriore subobliquo subconvexo. *Mas.*—Antennæ ciliato serratæ.

Parthenos, p., *Hübn. Verz. Schmett.* 278.
Hypocala, *Guen. Noct.* iii. 73.

Body stout. Head of moderate size. Eyes large. Proboscis moderately long. Palpi porrect, very stout, closely applied together and having the appearance of a short rostrum; third joint lanceolate, as long as the second. Antennæ about half the length of the body or a little shorter. Abdomen extending a little beyond the hind wings. Legs stout; hind tibiæ with long spurs. Fore wings moderately broad, straight in front, slightly rounded at the tips, slightly oblique and slightly convex along the exterior border. *Male.*—Antennæ serrated with short ciliæ.

West Indies.

1. Hypocala Pierreti.

Mas. *Flavescente-cinerea; articulus 3us rectus, sat distinctus; antennæ longiusculæ, fasciculato ciliatæ, lineolis apud costam transversis nigricantibus, macula reniformi semilunata nigricante; posticæ flavæ, macula discali margineque lato nigris.*

Hypocala Pierreti, *Guen. Noct.* iii. 77, 1425.

Haiti.

South America.

2. Hypocala Andremona.

Cinereo-ferruginosa; abdomen luteum, fasciis nigris; alæ anticæ linea obliqua apud angulum interiorem obliqua alba; posticæ nigræ, fascia discali angulata striga postica ciliisque luteis.

Phalæna-Noctua Andremona, *Cram. Pap. Exot.* iv. 132, pl. 358, f. C, D.

Parthenos Andremona, *Hübn. Verz. Schm.* 278, 2738.
Hypocala Andremona, *Guen. Noct.* iii. 78, 1426.
Surinam.

3. HYPOCALA FILICORNIS.

Cervino-cinerea, subtus pallida; abdomen luteum, fasciis nigris; alæ anticæ macula reniformi lunulisque marginalibus nigris, striga apud angulum interiorem ferruginea testaceo interlineata; posticæ luteæ, macula discali margineque lato nigris, striga apud angulum interiorem lutea, ciliis pallidis.

Hypocala filicornis, *Guen. Noct.* iii. 76, 1421.

a, *b*. Honduras. From Mr. Dyson's collection.

Africa.

4. HYPOCALA PLUMICORNIS.

Var.? Mas. *Cana, subtus albida; caput cervinum; abdomen luteum, fasciis latis abbreviatis nigris; alæ anticæ vitta antica latissima ferruginea lineas tres undulatas emittente, striga apicali albida, linea submarginali ferruginea angulata intus postice albo marginata, strigis submarginalibus lunulisque elongatis marginalibus nigris; posticæ nigro-cupreæ, strigis basalibus, plaga discali fasciaque brevi postica luteis.*

Noctua deflorata, *var. Naturf.* pl. 4, f. 8, 9.
Hypocala plumicornis, *Guen. Noct.* iii. 75, 1420.

Var.? Hoary, whitish beneath. Head fawn-colour. Abdomen luteous; segments with broad black abbreviated bands; apical band entire. Fore wings irregularly ferruginous along the costa to three-fourths of the length and to nearly half the breadth; this ferruginous part emits lines towards the interior border; a whitish apical streak adjoining the submarginal line, which is ferruginous, angular and bordered with white hindward on the interior side, where there are some black streaks; a row of black elongated marginal lunules. Hind wings blackish cupreous, with some luteous streaks proceeding from the base and joining a luteous space in the disk; a luteous streak along the exterior border towards the interior angle, which like the interior border is also luteous. Length of the body 8 lines; of the wings 17 lines.

a. Port Natal. From M. Gueinzius' collection.

5. HYPOCALA ROSTRATA.

Subpurpurascente-cinerea; antennæ maris graciles, ciliis brevissimis; alæ anticæ rufescente conspersæ, plaga maxima maculaque magna semilunata subapicali nigricantibus; posticæ nigræ, maculis quatuor luteis.

Noctua rostrata, *Fabr. Naturf.* 197, pl. 4, f. 4.
Hypocala rostrata, *Guen. Noct.* iii. 74, 1418.

a. Hindostan. From Mr. Milne's collection.

6. HYPOCALA SUBSATURA.

Pulverosa; antennæ maris graciles, tenuissime fasciculato ciliatæ; alæ anticæ atomis nigricantibus et ferrugineis conspersæ, violaceo subtinctæ, reniformi e squamis ferrugineis; posticæ nigræ, vitta maculis duabus ciliisque nigris.

Hypocala subsatura, *Guen. Noct.* iii. 75, 1419.

Silhet.

7. HYPOCALA DEFLORATA.

Cinerascens, subtus pallida; abdomen luteum, fascia apicali nigra; alæ anticæ nigro subconspersæ, reniformi nigra albido lituratæ, lunulis submarginalibus nigris, striga apud angulum interiorem ferruginea testaceo interlineata; posticæ luteæ macula discali margineque lato nigris, maculis duabus connexis marginalibus luteis.

Noctua deflorata, *Fabr. Naturf.* 190, 2, f. 6, 7.
Hypocala deflorata, *Guen. Noct.* iii. 76, 1422.

a. North Hindostan. From Mr. James' collection.
b. Hindostan. From Mr. Milne's collection.

8. HYPOCALA EFFLORESCENS.

Var. ? Mas. *Cervina, subtus albida; thorax postice canus; abdomen luteum, fasciis latis abbreviatis nigris; alæ anticæ canæ, nigro conspersæ, apud marginem exteriorem subcupreæ, vitta antica latissima ferruginea lineas tres undulatas ad marginem interiorem emittente, macula apicali albida, linea submarginali nigra angulata intus albo marginata, strigis submarginalibus lunulisque elongatis marginalibus nigris; posticæ nigro-cupreæ, strigis basalibus, plaga discali maculaque postica luteis.*

Hypocala effloresces, *Guen. Noct.* iii. 77, 1423.

Male. Fawn-colour, whitish beneath. Thorax hoary hindward. Abdomen luteous; segments with broad black abbreviated bands; apical band entire. Fore wings hoary, speckled with black, ferruginous along the costa to three-fourths of the length and to nearly half the breadth; this ferruginous part contains some hoary streaks, and emits three irregular undulating ferruginous lines to the interior border; a whitish apical spot, from whence proceeds the submarginal line, which is black, angular and bordered with white on the interior side, where there are some black streaks; a cupreous tinge on the space between this line and the elongated black marginal lunules. Hind wings blackish cupreous, with some luteous streaks proceeding from the base, and joining a luteous space in the disk; a luteous mark near the interior angle, which, like the interior border, is also luteous. Length of the body 9 lines; of the wings 20 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. North Hindostan. Presented by General Hearsay.

9. HYPOCALA ANGULIPALPIS.

Pallide cinerea, subtus albida; palpi angulati, abdomen lutescens; alæ anticæ nigro conspersæ, macula basali, vitta discali fasciaque submarginali nigricantibus, margine exteriore subcupreo; posticæ luteæ, macula discali, margineque nigricantibus, maculis duabus marginalibus luteis.

Hypocala angulipalpis, *Guen. Noct.* iii. 77, 1424.

Hindostan.

Australia.

10. HYPOCALA GUTTIVENTRIS.

Fœm. *Glauco-ferruginea, subtus albida; abdomen luteum, e guttis nigris quadrivittatum; alæ anticæ nitentes; posticæ luteæ, margine lato nigro-cupreo ramum anticum emittente strigam posticam includente, striga apud marginem interiorem nigra.*

Female. Ferruginous, with a slight glaucous tinge, whitish beneath. Abdomen luteous, with four rows of black dots. Fore wings shining. Hind wings luteous, with a broad cupreous-black border, which emits a short branch in front, and includes a luteous space by the ciliæ as it approaches the interior angle, where

it ceases; a black streak along the interior border. Length of the body 8 lines; of the wings 20 lines.

a. Moreton Bay. From Mr. Diggle's collection.

Oceania.

11. Hypocala velans.

Piceo-fusca, subtus sordide testacea; abdomen sordide testaceum, fasciis latis piceo-fuscis; alæ anticæ nigro subconspersæ, fasciis duabus interioribus indistinctis lunulisque marginalibus nigris, reniformi subtestaceo inclusa, linea submarginali albida undulata incompleta; posticæ cupreo-fuscæ; strigis duabus, litura discali margineque interiore testaceis.

Piceous-brown, dingy testaceous beneath. Abdomen dingy testaceous, with a broad piceous brown band on each segment. Fore wings slightly sprinkled with black, with two irregular indistinct interior black bands; space about the reniform spot mostly dingy testaceous; submarginal line whitish, undulating, incomplete; marginal lunules black, much elongated. Hind wings cupreous-brown, with two streaks proceeding from the base, a curved discal mark and the interior border testaceous; ciliæ paler. Length of the body 11 lines; of the wings 22 lines.

a. Sandwich Islands. (Capt. Beechey's Voyage). Presented by the Lords of the Admiralty.

Fam. 3. CATOCALIDÆ.

Statura magna aut mediocris. Corpus robustum. Proboscis robusta, sat longa aut mediocris. Palpi oblique, ascendentes, vix elongati, articulis distinctis, 3o sat longo aut brevissimo. Antennæ longæ, simplices. Thorax cristatus, dense pilosus. Abdomen longum, conicum, dorso villoso. Pedes validi, postici calcaribus longis. Alæ amplæ, denticulatæ; anticæ plus minusve cinereæ et nebulosæ, lineis transversis fasciisque distinctis; posticæ sæpissime roseæ aut luteæ, fascia margineque nigris.

Catocalidæ, *Boisd. Ind. Méth.* 167. *Dup. Guen. Noct.* iii. 79.

Size large or moderate. Body robust. Proboscis stout, rather long, or of moderate length. Palpi obliquely ascending, hardly

long; joints distinct; third joint rather long or very short. Antennæ long, simple. Thorax crested, densely pilose. Abdomen long, conical, villose on the back. Legs stout; hind legs with long spurs. Wings ample, denticulated. Fore wings more or less cinereous and clouded. Hind legs very generally bright rosy red or luteous, with a black band and a black border.

A. Pedes breves - - - - - - 1. PARTHENOS, *Hübn.*
B. Pedes longi.
A. Palporum articulus 3us sæpissime brevissimus.
2. CATOCALA, *Ochs.*
B. Palporum articulus 3us longus.
a. Alæ breviusculæ - - - - - 3. BLENINA, *Walk.*
b. Alæ longiusculæ - - - - - 4. ALLOTRIA, *Hübn.*

Genus 1. PARTHENOS.

Corpus robustum. Frons angusta. Proboscis mediocris, sat valida. Palpi oblique ascendentes; articulus 2us angustus; 3us longus, compressus, acutus, vix squamosus. Antennæ gracillimæ, basi valde approximatæ. Thorax brevis, subquadratus, cristatus. Abdomen alas posticas non superans. Pedes breves, vix villosi; intermedii genubus fasciculatis. Alæ latæ, denticulatæ; anticæ apud costam vix convexæ, apice acutæ, margine exteriore sat obliquo. *Mas.*—Antennæ vix pubescentes. Abdomen conicum, carinatum. *Fœm.*—Abdomen crassum, obtusum.

Parthenos, *Hübn. Verz. Schmett.* 278. *Guen. Noct.* ii. 79.

Body stout. Front narrow. Proboscis of moderate length, rather stout. Palpi obliquely ascending; second joint slender; third long, compressed, acute, hardly squamous. Antennæ very slender, very near together at the base. Thorax short, subquadrate, crested. Abdomen not extending beyond the hind wings. Legs short, hardly villose; middle pair with the knees tufted. Wings broad, denticulate. Fore wings hardly convex along the costa, acute at the tips, exterior border moderately oblique. *Male.*—Antennæ hardly pubescent. Abdomen conical, keeled. *Female.*—Abdomen thick, obtuse.

1. PARTHENOS NUBILIS.

Cinerea; thoraæ fusco fasciatus; abdomen lutescente-cinereum; alæ anticæ albido fuscoque variæ; posticæ luteæ, basi fuscæ, fasciis tribus variis margineque nigris.

Parthenos nubilis, *Hübn. Samml. Exot. Schmett.* ii. *Lep.* iv. *Noct.* iii. *Semigeometræ* viii. *Blepharoniæ C. flavæ*, 2, *f.* 3, 4; *Verz. Schmett.* 278, 2737. *Guen. Noct.* iii. 80, 1427.

a. United States. Presented by E. Doubleday, Esq.
b, *c*. United States. From Mr. Milne's collection.

Genus 2. CATOCALA.

Statura magna. Corpus robustum. Proboscis valida, vix longa. Palpi robusti, pilosi, oblique ascendentes, vix elongati; articulus 3us brevissimus. Antennæ simplices, corporis dimidio longiores. Thorax cristatus, dense pilosus. Abdomen dense pilosum, alas posticas non aut paullo superans. Pedes longi, robusti, dense pilosi; tibiæ posticæ calcaribus longis. Alæ amplæ, subdenticulatæ; anticæ apud costam vix convexæ, apice angulatæ, margine exteriore subobliquo; posticæ coccineæ aut luteæ, rarissime nigræ aut fascia cærulea.

Hemigeometra, p. *Haw.*
Catocala, *Ochs.; Treit.; Boisd.; Steph.; Curt.; Guen. Ann. Soc. Fr.* x. 81; *Noct.* iii. 80.
Catocala, Eunetis, Lamprosia, Astiotes, Mormosia, Ephesia, Eucora, et Corisee, *Hübn. Verz. Schett.* 276, 277, 278.

Size large. Body stout. Proboscis stout, moderately long. Palpi stout, pilose, obliquely ascending, moderately long; third joint very short. Antennæ simple, more than half the length of the body. Thorax thickly pilose. Abdomen very slightly keeled, not or slightly extending beyond the hind wings. Legs long, stout, densely pilose; hind tibiæ with long spurs. Wings ample, slightly denticulated. Fore wings generally gray, with clouded bands, hardly convex along the costa, angular at the tips, slightly oblique along the exterior border. Hind wings crimson or luteous, with black bands, rarely wholly black, or black with a blue band.

Europe.

Group 1.

Alæ posticæ nigræ, cyaneo fasciatæ.

Catocala, *Hübn. Verz. Schmett.* 276.

Hind wings black, with a blue band.

1. CATOCALA FRAXINI.

Cinerea; alæ anticæ canæ, fasciis denticulatis lunulisque submarginalibus nigris; posticæ nigræ, fascia cyanea, ciliis albis.

———, *Merian, Ins. Eur.* pl. 46, *Roës. Ins.* iv. pl. 28; f. 1. *Ammir. Ins.* pl. 25. *Wilk. Pap.* 45, pl. 1. a. 2. *Geoff. Ins.* ii. 151, 83. *Engr. Prp. d'Eur.* 563, a. i.

Phalæna-Noctua Fraxini, *Linn. Faun. Suec.* 1165. *Mus. Lud. Ulr.* 387. *Gmel. ed. Syst. Nat.* i. 5, 2540, 125.

Noctua Fraxini, *Fabr. Sp. Ins.* ii. 221, 72; *Mant. Ins.* ii. 150, 113; *Ent. Syst.* iii. 2, 55, 152. *Wien. Verz.* 90, 2. *Bork. Esp. Schmett.* iv. 9, 4. *Esp. Schmett.* iv. pl. 101. *Hübn. Schmett. Noct.* pl. 68, f. 327. *Brahm. Ins.* 403. *Donov. Brit. Ins.* v. pl. 171, 172. *God. Lép. Fr.* vii. 50, pl. 45, f. 1. *Suppl. Ins.* i. pl. 18—20.

Hemigeometra Fraxini, *Haw. Lep. Brit.* 267.

Catocala Fraxini, *Treit. Schmett.* v. 329, 1. *Meig. Handb.* 186, 105; *Syst. Besch.* iii. 214, 1, pl. 115, f. 1. *Hübn. Verz. Schmett.* 278, 2713. *Steph. Ill. Brit. Ent. Haust.* iii. 131. *Boisd. Ind. Méth.* 167, 1327. *Guen. Noct.* iii. 83, 1428.

a, b. England. From Mr. Stephens' collection.
c—h. Europe. From M. Becker's collection.

Group 2.

Alæ anticæ cinereæ, lineis transversis denticulatis obscurioribus; posticæ roseæ, fascia margineque nigris.

Eunetis, *Hübn. Verz. Schmett.* 276.

Fore wings gray, with denticulated transverse darker lines. Hind wings rosy red, with a black band and a black border.

A. Alæ posticæ macula nulla apicali rufa.
A. Alæ posticæ fascia vix arcuata.
a. Alæ anticæ obscuriores - - - - elocata, *Esp.*
b. Alæ anticæ pallidiores - - - - deducta, *Eversm.*
B. Alæ posticæ fascia valde arcuata - - - nupta, *Fabr.*
B. Alæ posticæ macula apicali rufa - - puerpera, *Giorna.*

2. Catocala elocata.

Cinerea; alæ anticæ fasciis indistinctis denticulatis nigricantibus; posticæ roseæ, fascia margineque lato nigris, ciliis albidis.

——— ———, *Engr. Pap. d'Eur.* 564, a—c; f, g.
Noctua elocata, *Esp. Schmett.* iv. pl. 99, f. 1. *Bork. Schmett.* iv. 15, 5. *God. Lép. Fr.* v. 58, pl. 46, f. 2.
Noctua Marita, *Hübn. Noct.* pl. 105, f. 494.
Noctua Uxor, *Hübn. Noct.* pl. 69, f. 328.
Eunetis marita, *Hübn. Verz. Schmett.* 277, 2718.
Eunetis Uxor, *Hübn. Verz. Schmett.* 277, 2719.
Catocala elocata, *Treit. Schmett.* v. 334, 2. *Meig. Syst. Besch.* iii. 214, 2, pl. 115, f. 2. *Curt. Brit. Ent.* pl. 217. *Boisd. Ind. Méth.* 167, 1328. *Guen. Noct.* iii. 83, 1429.

a—c. Europe. From M. Becker's collection.
d—f. Europe.

3. Catocala deducta.

Cinereo-albida; alæ anticæ lineis medianis transversis optime determinatis; posticæ pallide roseæ, fascia margineque nigris.

Catocala deducta, *Eversm. Bull. Soc. Imp. Nat. Mosc.*; *Guen. Noct.* iii. 84, 1430.

Altai.

4. Catocala nupta.

Cinerea; alæ anticæ nigricante nebulosæ, fasciis angulosis, reniformi lunulisque submarginalibus nigris, plaga discali sæpissima albida; posticæ roseæ, fascia arcuata margineque lato nigris, ciliis albis.

——— ———, *Rai, Ins.* 152, 4. *Roës. Ins.* iv. pl. 15. *Wilk. Pap.* 33, pl. 1. *Udd. Dess.* 73, pl. 10. *Albin. Ins.* pl. 80. *Schæff. Ins.* pl. 151. *Engr. Pap. d'Eur.* 564, d; 565, a—f. *Geoff. Ins.* ii. 150.
Noctua Nupta, *Fabr. Sp. Ins.* ii. 221, 70. *Mant. Ins.* ii. 149, 110; *Ent. Syst.* iii. 2, 53, 148. *Wien. Verz.* 90, 4. *Sepp Ins.* i. pl. 7. *Esp. Schmett.* iv. pl. 97. *Bork. Eur. Schmett.* iv. 17, 6. *Hübn. Noct.* pl. 69, f. 329, 330. *God. Lép. Fr.* v. pl. 45, f. 2, 3. *Donov. Brit. Ins.* vii. pl. 224.

Hemigeometra nupta, *Haw. Lep. Brit.* 268.
Phalæna-Noctua Nupta, *Gmel. ed. Syst. Nat.* i. 5, 2536, 119.
Eunetis Nupta, *Hübn. Verz. Schmett.* 277, 2716.
Catocala Nupta, *Treit. Schmett.* v. 337, 3. *Meig. Syst. Besch.* iii. 215, 3, pl. 115, f. 3. *Steph. Ill. Brit. Ent. Haust.* iii. 132. *Boisd. Ind. Méth.* 167, 1329. *Guen. Noct.* iii. 85, 1432.
Noctua Pacta, *Berl. Mag.* 12. *Naturf.* ix. 112.
Var. Noctua concubina, *Bork. Eur. Schmett.* iv. 21. *Hübn. Noct.* f. 329.
Noctua elocata, *Meig. Handb.* 187, 106.

a—c. England. Presented by H. Doubleday, Esq.
d—i. England. From Mr. Stephens' collection.
j, k. Europe. From M. Becker's collection.
l, m. Europe.

5. Catocala puerpera.

Pallidissime cinerea; alæ anticæ fasciis paucis incompletis denticulatis nigricantibus guttisque submarginalibus; posticæ roseæ rarissime luteæ, fascia margineque interrupto nigris, macula elongata apicali rosea ciliis albis.

Noctua puerpera, *Giorna, Cal. Ent.* 142.
Noctua Pellex, *Hübn. Noct.* pl. 92, f. 435; pl. 129, f. 594; pl. 132, f. 605. *God. Lép. Fr.* v. 76, pl. 46, f. 3.
Catocala Pellex, *Boisd. Ind. Méth.* 168, 1337.
Catocala puerpera, *Treit. Schmett.* v. 358, 10. *Meig. Syst. Besch.* iii. 215, 4, pl. 116, f. 2. *Guen. Noct.* iii. 86, 1433.
Eunetis puerpera, *Hübn. Verz. Schmett.* 276, 2714.

a—c. Europe. From M. Becker's collection.
d. Europe.

Group 3.

Thorax nigro fasciatus. Alæ anticæ lineis transversis valde denticulatis, reniformi testacea.

Eunetis, p. et. Lamprosia, *Hübn. Verz. Schmett.* 276, 277.

Thorax with a black band. Fore wings with the transverse lines very much denticulated; reniform spot testaceous. Hind wings as in the second group.

A. Alæ anticæ vitta nulla basali nigra.
A. Alæ anticæ non glaucescentes - - - - electa, *Bork.*
B. Alæ anticæ glaucescentes - - - - - pacta, *Linn.*
B. Alæ anticæ vitta basali nigra.
A. Alæ posticæ margine nigro interrupto. lupina, *Herr.-Schæff.*
B. Alæ posticæ margine nigro non interrupto. - optata, *God.*

6. Catocala electa.

Obscure cinerea; alæ anticæ fasciis denticulatis annuloque discali nigris, fascia exteriore annuloque discali nigris, fascia exteriore lunulisque submarginalibus nigris albo marginatis; posticæ coccineæ, fascia margineque lato nigris, ciliis albis.

——— ———, *Roës. Ins.* i. pl. 15, f. 2, 5. *Engr. Pap. d'Eur.* 566, a, g, e, f.
Noctua pacta, *Wien. Verz.* 90, 3. *Esp. Schmett.* iv. pl. 98.
Noctua electa, *Bork. Eur. Schmett.* iv. 26, 8. *Hübn. Eur. Schmett. Noct.* pl. 70, f. 33.
Lamprosia electa, *Hübn. Verz. Schmett.* 277, 2723.
Catocala electa, *Treit. Schmett.* v. 355, 9. *Meig. Syst. Besch.* iii. 216, 5, pl. 116, f. 3. *Boisd. Ind. Méth.* 168, 1336. *Guen. Noct.* iii. 87, 1436. *Dup. Hist. Nat. Lép. Fr. Suppl.* vii. pl. 1, f. 2.

a, *b*. Europe. From M. Becker's collection.
c—e. Europe.

7. Catocala optata.

Cinerea; thorax nigro fasciatus; alæ anticæ vitta basali, lituris costalibus lineisque transversis valde denticulatis nigris; posticæ roseæ, fascia abbreviata margineque lato nigris, ciliis sordide albidis.

Noctua optata, *God. Lép.* v. 63, pl. 47.
Catocala optata, *Treit. Suppl.* 162. *Boisd. Ind. Méth.* 167, 1334. *Guen. Noct.* iii. 87, 1437.
Noctua optabilis, *Geyer, Zutr.* f. 733, 736.

France, Spain.

a, *b*. Europe. From M. Becker's collection.

8. Catocala lupina.

Cinerea; alæ anticæ vitta basali nigra, lineis transversis valde denticulatis pallidis nigrisque; posticæ roseæ, fascia abbreviata margineque interrupto nigris, ciliis albidis.

Catocala lupina, *Herr.-Schæff. Schmett. Eur.* ii. pl. 46, f. 234, 235. *Guen. Noct.* iii. 88, 1438.

Europe.

9. CATOCALA PACTA.

Cinerea; thorax nigro fasciatus, postice ferruginosus; abdomen roseum; alæ anticæ glaucescentes, lineis transversis et reniformi ferruginosis et nigricantibus, guttis submarginalibus nigris; posticæ roseæ, fascia abbreviata margineque nigris, ciliis albis nigro punctatis.

——— ———, *Albin, Ins.* 80. *Merian, Ins. Eur.* iii. pl. 38, f. 139. *Roës. Ins.* i. 2, pl. 15. *Wilk. Pap.* ii. pl. 2, b, 1.

Phalæna-Noctua pacta, *Linn. Faun. Suec.* 1166. *Scop. Ent. Carn.* 509. *Gmel. ed. Syst. Nat.* i. 5, 2537, 120.

Noctua pacta, *Fabr. Sp. Ins.* ii. 221; *Mant. Ins.* ii. 149, 111; *Ent. Syst.* iii. 2, 54, 149. *Sepp. Ins.* iv. 33, pl. 7. *Wien. Verz.* 90, 3. *Esp. Schmett.* iv. pl. 90, f. 1, 2. *Bork. Eur. Schmett.* iv. 23, 7. *Hübn. Noct.* pl. 70, f. 332. *God. Lép. Fr.* v. 65, pl. 47, f. 2.

Lamprosia pacta, *Hübn. Verz. Schmett.* 277, 2724.

Catocala pacta, *Treit. Schmett.* v. 352, 8. *Meig. Syst. Besch.* iii. 217, 6, pl. 116, f. 4. *Boisd. Ind. Méth.* 168, 1335. *Eversm. Faun. Ural.* 348. *Herr.-Schæff. Schmett. Eur.* ii. pl. 46, f. 232, 233. *Guen. Noct.* iii. 88, 1439.

North Europe.

a. St. Petersburgh. From Mr. Stevens' collection.

Group 4.

Alæ anticæ lineis transversis albidis, reniformi et macula discali testaceis aut albidis; posticæ coccineæ, fascia margineque nigris.

Astiotes, *Hübn. Verz. Schmett.* 277.

Fore wings with transverse whitish lines, with the reniform and another discal spot testaceous or whitish. Hind wings crimson, with a black band and a black border.

A. Alæ posticæ fascia subrecta.
A. Alæ anticæ vitta nulla basali. - - conjuncta, *Esp.*
B. Alæ anticæ vitta basali nigra. - - - dilecta, *Bork.*
B. Alæ posticæ fascia subundulata. - - promissa, *Fabr.*
C. Alæ posticæ fascia valde undulata. - - sponsa, *Linn.*

10. CATOCALA CONJUNCTA.

Cinereo-fusca; abdomen cinereum; alæ anticæ fasciis angulosis, lunulisque marginalibus albido-cinereis nigro marginatis, reniformi annuloque discali nigris; posticæ roseæ, fascia vix arcuata margineque latissimo nigris, ciliis nigricantibus ad apices albis.

——— ———, *Engr. Pap. de Fr.* 570, a—d.
Noctua conjuncta, *Esp. Schmett.* iv. pl. 99, f. 3, 4; pl. 100, f. 1, 2. *Bork. Eur. Schmett.* iv. 36, 11. *God. Lép. Fr.* v. 74, pl. 47, f. 1.
Noctua conjuga, *Hübn. Noct.* pl. 71, f. 335.
Catocala conjuncta, *Treit. Schmett.* v. 347, 6. *Meig. Syst. Besch.* iii. 217, 7, pl. 116, f. 1. *Boisd. Ind. Méth.* 167, 1333. *Guen. Noct.* iii. 89, 1441.

a. Tuscany. Presented by Signor Passerini.
b, *c.* Europe. From M. Becker's collection.

11. CATOCALA PROMISSA.

Albido-cinerea; alæ anticæ testaceo suffusæ, fascia, lituris costalibus lineisque transversis angulosis nigris, lunulis marginalibus albis nigro marginatis; posticæ coccineæ, fascia subundulata margineque latissimo nigris, ciliis albis nigro notatis.

——— ———, *Roës. Ins.* iv. pl. 19, f. 1, 2, 4. *Engr. Pap. d'Eur.* 569, a, b, g.
Noctua promissa, *Fabr. Mant. Ins.* ii. 149, 112; *Ent. Syst.* iii. 2, 54, 150. *Wien. Verz.* 90, 6. *Esp. Schmett.* iv. pl. 96. *Bork. Eur. Schmett.* iv. 33, 10. *Hübn. Noct.* pl. 71, f. 334; pl. 144, f. 657.
Phalæna-Noctua promissa, *Gmel. ed. Syst. Nat.* i. 5, 2537, 1006.
Noctua conjuncta, *Esp. Schmett.* iv. pl. 100, f. 1, 2.
Noctua Mneste, *Hübn. Noct.* pl. 123, f. 569.
Hemigeometra promissa, *Haw. Lep. Brit.* 238.
Noctua sponsa, *Donov. Brit. Ins.* ix. pl. 324. *God. Lép. Fr.* v. 68, pl. 48, f. 1.

Astiotes promissa, *Hübn. Verz. Schmett.* 277, 2728.
Astiotes Mneste, *Hübn. Verz. Schmett.* 277, 2729.
Catocala promissa, *Treit. Schmett.* v. 349, 7. *Meig. Handb.* 188, 109; *Syst. Besch.* iii. 218, 9, pl. 117, f. 2. *Boisd. Ind. Méth.* 167, 1332. *Dup. Suppl.* iii. 540, pl. 30. *Guen. Noct.* iii. 90, 1442.
Catocala conjuncta, *Steph. Ill. Brit. Ent. Haust.* iii. 35.

a, b. New Forest, England. Presented by T. G. Smart, Esq.
c—s. England. From Mr. Stephens' collection.
t, u. England.
w—bb. Europe. From M. Becker's collection.

12. Catocala sponsa.

Albido-cinerea; alæ anticæ nigricante plus minusve nebulosæ, lineis transversis angulosis lunulisque marginalibus albidis nigrisque, reniformi testaceo signata; posticæ coccineæ, fascia undulata margineque latissimo nigris, ciliis albis nigro notatis.

——— ———, *Réaum. Ins.* i. pl. 32, f. 1—7. *Merian, Ins. Eur.* ii. pl. 14. *Roës. Ins.* iv. pl. 19. *Geoff. Ins.* ii. 150, 82. *Engr. Pap. d'Eur.* 568, a—e.
Phalæna-Noctua sponsa, *Linn. Syst. Nat.* 841, 118. *Gmel. ed. Syst. Nat.* i. 5, 2536, 118.
Noctua sponsa, *Fabr. Sp. Ins.* ii. 220, 69; *Mant. Ins.* ii. 149, 109; *Ent. Syst.* iii. 253, 147. *Wien. Verz.* 90, 5. *Esp. Schmett.* iv. pl. 95. *Bork. Eur. Schmett.* iv. 30, 9. *Hübn. Noct.* pl. 71, f. 333. *God. Lép.* v. 68, pl. 48, f. 2.
Hemigeometra sponsa, *Haw. Lep. Brit.* 268.
Noctua nupta, *Wilk. Pap.* pl. 68.
Astiotes sponsa, *Hübn. Verz. Schmett.* 277, 2726.
Catocala sponsa, *Treit. Schmett.* v. 343, 5. *Meig. Handb.* 188, 108; *Syst. Besch.* iii. 219, 10, pl. 117, f. 1. *Fisch. Ent. Russ.* 196, pl. 5. *Steph. Ill. Brit. Ent. Haust.* iii. 133. *Boisd. Ind. Méth.* 167, 1331. *Guen. Noct.* iii. 90, 1443.
Catocala rejecta, *Fisch. Ent. Russ.* 197, pl. 5, f. 2.
Catocala promissa, *Steph. Ill. Brit. Ent. Haust.* iii. 134.

a, b. England. Presented by T. G. Smart, Esq.
c—j. England. From Mr. Stephens' collection.
k—m. England.
n—v. Europe. From M. Becker's collection.

13. CATOCALA DILECTA.

Cinereo-fusca ; alæ anticæ fascia pallida, lineis transversis pallidis nigrisque, vitta basali nigricante ; posticæ coccineæ, fascia subrecta margineque nigris, ciliis albidis nigro notatis.

——— ———, *Engr. Pap. d'Eur.* 568, g, h.

Noctua dilecta, *Bork. Eur. Schmett.* iv. 38, 12. *Hübn. Noct.* pl. 83, f. 388.

Noctua sponsa, var., *Esp. Schmett.* iv. pl. 99, f. 3. *God. Lep. Fr.* v. 68, pl. 48. f. 3.

Antiotes dilecta, *Hübn. Verz. Schmett.* 277, 2725.

Catocala dilecta, *Treit. Schmett.* v. 341, 4.. *Meig. Syst. Besch.* iii. 219, 11, pl. 117, f. 3. *Boisd. Ind. Méth.* 167, 1330. *Guen. Noct.* iii. 91, 1444.

a—c. Europe. From M. Becker's collection.
d. Germany.

Group 5.

Alæ anticæ cinereæ, fusco nigricante aut albido variæ aut fasciatæ ; posticæ luteæ, fascia margineque nigris.

Ephesia et Eucora, *Hübn. Verz. Schmett.* 278.

Fore wings gray, varied or banded with brown or blackish or whitish colour. Hind wings luteous, with a black band and a black border.

A. Alæ posticæ fascia abbreviata.
  A. Alæ posticæ margine interrupto.
    a. Antennæ graciliores. - - - neonympha, *Hübn.*
    b. Antennæ crassiores. - - - protonympha, *Boisd.*
  B. Alæ posticæ margine non interrupto.
    a. Alæ posticæ fascia subrecta. - - diversa, *Hübn.*
    b. Alæ posticæ fascia angulata.
      a. Alæ anticæ obscuræ, reniformi albida. Eutychia, *Treit.*
      b. Alæ anticæ pallidæ, reniformi testacea. languida, *Herr.-Schæff.*

B. Alæ posticæ fascia non abbreviata.
  A. Alæ anticæ vitta basali nigra.
    a. Alæ posticæ margine interrupto. - Paranympha, *Linn.*
    b. Alæ posticæ margine non interrupto. - disjuncta, *Hübn.*

B. Alæ anticæ vitta nulla basali.
A. Alæ posticæ macula magna apicali lutea. - nymphæa, *Esp.*
B. Alæ posticæ macula vix ulla apicali.
a. Alæ posticæ fascia undulata. - - - conversa, *Esp.*
b. Alæ posticæ fascia recta, postice angulata. nymphagoga, *Esp.*

14. Catocala neonympha.

Cinerea; thorax nigricante fasciatus; abdomen luteum; alæ anticæ fasciis angulosis fuscis nigro marginatis; posticæ luteæ, fascia abbreviata margineque interrupto nigris, macula oblonga apicali lutea, ciliis sordide albidis.

Noctua neonympha, *Hübn. Noct.* pl. 95, f. 450. *Esp. Schmett.* iv. pl. 198, f. 1, 2. *Frey. Beitr.* iv. pl. 299.
Eucora neonympha, *Hübn. Verz. Schmett.* 278, 2739.
Catocala neonympha, *Treit. Schmett.* v. 360, 11. *Meig. Syst. Besch.* iii. 220, 12, pl. 117, f. 4. *Eversm. Faun. Volg-Ural.* 349. *Boisd. Ind. Méth.* 168, 1338. *Dup. Suppl.* iii. 672, pl. 48. *Guen. Noct.* iii. 99, 1459.

a—c. Europe. From M. Becker's collection.

15. Catocala Paranympha.

Fusco-cinerea; thorax nigro fasciatus; abdomen lutescente-cinereum; alæ anticæ cinereæ, fasciis duabus diffusis fuscis nigro marginatis, reniformi atra, macula marginali subapicali nigricante; posticæ luteæ, vitta basali, fascia margineque interrupto nigris, macula magna apicali lutea.

——— ———, *Roës. Ins.* iv. pl. 18, f. 1, 2. *Engr. Pap. d'Eur.* 573, a—f.
Phalæna-Noctua Paranympha, *Linn. Syst. Nat.* 842, 122. *Gmel. ed. Syst. Nat.* i. 5, 2538, 122.
Phalæna fulminea, *Scop. Ent. Carn.* 510.
Noctua Paranympha, *Fabr. Sp. Ins.* ii. 222, 75; *Mant. Ins.* ii. 151, 122; *Ent. Syst.* iii. 2, 59, 164. *Wien. Verz.* 91, 7. *Naturf.* 77, pl. 4, f. 8, 9. *Esp. Schmett.* iv. pl. 105, f. 1—3. *Bork. Eur. Schmett.* iv. 39, 13. *Hübn. Noct.* pl. 72, f. 336; pl. 131, f. 601. *God. Lép. Fr.* v. 84, pl. 49, f. 3.
Ephesia Paranympha, *Hübn. Verz. Schmett.* 278, 2730.

Catocala Paranympha, *Treit. Schmett.* v. 368, 15. *Meig. Handb.* 189, 110; *Syst. Besch.* iii. 221, 15, pl. 118, f. 3. *Boisd. Ind. Méth.* 168, 1342. *Guen. Noct.* iii. 100, 1460.

a—d. Europe. From M. Becker's collection.
e. Europe. From Mr. Milne's collection.

16. CATOCALA CONVERSA.

Cinerea, fusco varia; abdomen lutescente-cinereum; alæ anticæ lineis transversis denticulatis lunulisque marginalibus nigris, plaga costali sæpissime albida; posticæ luteæ, fascia margineque nigris, ciliis albidis fusco maculatis.

——— ———, *Engr. Pap. d'Eur.* 571, a, b.
Noctua conversa, *Esp. Schmett.* iv. pl. 105, B, f. 1—3. *God. Lép. Fr.* v. 78, pl. 49, f. 1, 2; pl. 50, f. 1.
Noctua Pasythea, *Bork. Eur. Schmett.* iv. 148. *Hübn. Noct.* f. 455, 713, 714.
Noctua agamos, *Hübn. Noct.* f. 525.
Ephesia Pasithea, *Hübn. Verz. Schmett.* 278, 2733.
Ephesia agamos, *Hübn. Verz. Schett.* 278, 2734.
Catocala conversa, *Treit. Schmett.* v. 363, 13. *Meig. Syst. Besch.* iii. 220, 13, pl. 118, f. 1, 2. *Boisd. Ind. Méth.* 168, 1340. *Herr.-Schæff. Schmett. Eur.* ii. pl. 87, f. 448. *Guen. Noct.* iii. 100, 1461.

a—c. Europe. From M. Becker's collection.
d, e. Europe. From Dr. Frivaldsky's collection.
f. Europe.

17. CATOCALA NYMPHÆA.

Fusco-cinerea; abdomen lutescente-cinereum; alæ anticæ lineis transversis angulosis lunulisque marginalibus albidis nigro marginatis, macula discali subquadrata albida; posticæ luteæ, fascia undulata margineque interrupto nigris, macula magna apicali lutea, ciliis sordide albidis.

——— ———, *Engr. Pap. d'Eur.* 572.
Noctua nymphæa, *Esp. Schmett.* 158, pl. 105, f. 4; pl. 105, B, f. 4. *Hübn. Noct.* f. 339. *Dup. Suppl.* iii. 543, pl. 46.
Ephesia nymphæa, *Hübn. Verz. Schmett.* 278, 2736.
Catocala nymphæa, *Treit. Schmett.* v. 361. *Boisd. Ind. Méth.* 168, 1339. *Guen. Noct.* iii. 101, 1462.

Catocala vestalis, *Boisd. Ind. add. Geyer, Schmett.* f. 841—843.

a. Europe. From M. Becker's collection.

18. CATOCALA DIVERSA.

Albido-cinerea; thorax fusco nigroque varius; abdomen lutescente-cinereum; alæ anticæ fasciis fuscis lineisque transversis denticulatis annuloque discali nigris, lunulis marginalibus albidis nigro marginalis; posticæ luteæ, fascia subrecta abbreviata margineque nigris, ciliis sordide albidis.

Noctua diversa, *Hübn. Noct.* f. 737, 740. *Frey. Beitr.* ii. pl. 155, f. 1.

Catocala diversa, *Treit. Suppl.* 163. *Guen. Noct.* iii. 101, 1463.

Catocala callinympha, *Saporta, MSS. Boisd. Ind. Méth*, 168, 1345. *Dup. Suppl.* iii. 546, pl. 116.

Provence. Dalmatia.

a, *b*. Europe. From M. Becker's collection.

19. CATOCALA DISJUNCTA.

Cinerea; abdomen lutescens; alæ anticæ apud discum obscuriores, lineis transversis denticulatis nigris, fascia exteriore ferruginosa, macula discali alba, reniformi albido marginata; posticæ luteæ, vitta basali, fascia margineque nigris.

Noctua disjuncta, *Hübn. Noct.* f. 741. *Dup. Suppl.* iii. 548, pl. 46.

Catocala disjuncta, *Boisd. Ind. Méth.* 168, 1344. *Herr.-Schæff. Schmett. Eur.* ii. pl. 47, f. 236, 237. *Guen. Noct.* iii. 101, 1464.

Dalmatia.

20. CATOCALA NYMPHAGOGA.

Cinereo-fusca; abdomen lutescente-cinereum; alæ anticæ lineis transversis denticulatis lineaque marginali nigris albido marginatis, fascia submarginali fusca albido interlineata; posticæ luteæ, fascia recta postice angulata nigris, ciliis sublutescentibus nigricante variis.

——— ———, *Engr. Pap. d'Eur.* 575.

Noctua nymphagoga, *Esp. Schmett.* iv. pl. 15, f. 5; pl. 105, f. 5. *Bork. Eur. Schmett.* iv. 49, 17. *Hübn. Noct.* pl. 72, f. 337. *Frey. Beitr.* ii. pl. 155, f. 2.

Ephesia nymphagoga, *Hübn. Verz. Schmett.* 278, 2755.
Catocala nymphagoga, *Treit. Schmett.* v. 371, 16. *Meig. Syst. Besch.* iii. 221, 14, pl. 117, f. 5. *Boisd. Ind. Méth.* 168, 1343. *Guen. Noct.* iii. 102, 1465.
Noctua nymphæa, *God. Lép. Fr.* v. 81, pl. 50, f. 2.
Noctua Uxor? *Hübn. Beitr.* pl. 4, X.

a—c. Europe. From M. Becker's collection.
d. Europe.

21. Catocala protonympha.

Mas. *Gracilis, distinctissima, statura* C. callinymphæ ; *antennæ crassiores, dentatæ; palpi robusti ; alæ anticæ cinereo-fuscæ fasciis vix angulosis.*

Catocala protonympha, *Boisd. Ind. Méth.* 168, 1346. *Guen. Noct.* iii. 103, 1467.

Paris.

22. Catocala languida.

Glaucescente-cinerea ; abdomen lutescens ; alæ anticæ fasciis ferruginosis, lineis transversis angulosis nigris, reniformi testaceo signata ; posticæ luteæ, fascia undulata subabbreviata margineque nigris, ciliis albidis nigro notatis.

Catocala languida, *Herr.-Schæff. Schmett. Eur.* ii. pl. 47, f. 238, 239. *Guen. Noct.* iii. 104, 1469.

South Russia. Andalusia.

23. Catocala Eutychia.

Cinereo-fusca ; abdomen lutescente-cinereum ; alæ anticæ lineis transversis angulosis nigris, reniformi albida ; posticæ luteæ, fascia angulata abbreviata margineque nigris, ciliis albis nigro maculatis.

Catocala Eutychia, *Treit. Suppl.* 165. *Boisd. Ind. Méth.* 168, 1348. *Herr.-Schæff. Schmett. Eur.* ii. pl. 87, f. 447. *Guen. Noct.* iii. 104, 1470.

Ionian Isles.

Group 6.

Alæ anticæ cinereæ, lineis transversis nigris; posticæ luteæ, fascia margineque nigris.

Eucora, p., *Hübn. Verz. Schmett.* 278.

Fore wings cinereous, with black transverse lines. Hind wings luteous, with a black band and a black border.

24. CATOCALA HYMENEA.

Cinerea; thorax nigro fasciatus; abdomen lutescens cinereum; alæ anticæ strigis costalibus nigris, annulis duobus lineisque transversis undulosis cinereis nigro marginatis; posticæ luteæ, fascia margineque interrupto nigris, macula apicali lutea.

———— ————, *Engr. Pap. d'Eur.* 574, a—c.

Noctua hymenea, *Wien. Verz.* 91, 8. *Fabr. Mant. Ins.* ii. 151, 119; *Ent. Syst.* iii. 258, 161. *Esp. Schmett.* iv. pl. 106, f. 1. *Bork. Eur. Schmett.* iv. 43, 14. *Hübn. Noct.* pl. 73, f. 340; pl. 113, f. 528; *Beitr.* pl. 3, 8. *Frey. Beitr.* ii. pl. 143. *God. Lép. Fr.* v. 87, pl. 50, f. 3.

Phalæna-Noctua hymenea, *Gmel. ed. Syst. Nat.* i. 5, 2538, 1011.

Noctua posthuma, *Hübn. Noct.* pl. 113, f. 526, 527.

Eucora posthuma, *Hübn. Verz. Schmett.* 278, 2740.

Eucora hymenea, *Hübn. Verz. Schmett.* 271, 2741.

Catocala hymenea, *Treit. Schmett.* v. 373, 17. *Meig. Syst. Besch.* iii. 222, 16, pl. 117, f. 6. *Boisd. Ind. Méth.* 168, 1347. *Guen. Noct.* iii. 105, 1471.

a, *b*. Europe. From M. Becker's collection.

c. Europe.

North America.

Group 1.

Like the first European group.

25. CATOCALA RELICTA.

Mas. *Nigra, albo conspersa, subtus alba; thorax antice albus nigro fasciatus; abdomen supra nigricans, incisuris apiceque albis; alæ anticæ fasciis duabus albis, margine exteriore albido, linea exteriore transversa angulosa nigra, lunulis marginalibus atris; posticæ nigro-fuscæ, fascia arcuata ciliisque albis.*

Male. Black, speckled with white, white beneath. Thorax in front white, with black bands. Abdomen above blackish, whitish between the segments, and with a white apical tuft. Fore wings with two white bands, which include a black white-speckled band, and the latter is interrupted in the middle by a black ringlet; the exterior band contains a zigzag transverse black line; exterior border and adjoining part almost white, with deep black marginal lunules. Hind wings blackish brown, with a regular curved white band and with white ciliæ. Length of the body 14 lines; of the wings 32 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group 2.

Like the second European group.

26. CATOCALA PARTA.

Var.? *Nigricans, albo conspersa; abdomen cinereum; alæ anticæ lineis transversis angulosis lunulisque marginalibus nigris, fascia exteriore albida; posticæ coccineæ, fascia margineque nigris sat latis.*

Catocala parta, *Guen. Noct.* iii. 84, 1430.

Canada.

Var. β.? Blackish, speckled with white. Abdomen cinereous. Fore wings with angular transverse black lines, with two whitish marks, one on the inner side of the black reniform spot, the other one behind it; exterior transverse line denticulated, with two prominent teeth, partly contained in a whitish band; marginal lunules black. Hind wings crimson, with two black streaks proceeding from the base; the band and the border moderately broad, the former nearly regular and slightly abbreviated, the latter entire; ciliæ white. Length of the body 12½ lines; of the wings 28 lines.

a. United States. Presented by E. Doubleday, Esq.

Var. γ.? *Male and female.* Blackish. Thorax slightly speckled with white. Abdomen cinereous, with a blackish crest. Fore wings speckled with white, with an exterior irregular denticulated whitish band, and with the usual black borders of the whitish black-speckled reniform and posterior spots, and the transverse denticulated lines which are indistinct; a slight ferruginous tinge in the whitish band and in the two discal spots; marginal lunules

black. Hind wings like those of var. β., but with the black band joining the blackish interior border. Length of the body 11 lines; of the wings 26 lines.

b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
c. North America.

27. CATOCALA UNIJUGA.

Albido-cinerea, nigro conspersa; thorax fasciis anticis nigris; abdomen pallide fusco-cinereum; alæ anticæ vix glaucescentes, lineis transversis non distinctis, dentibus non elongatis, macula apud reniformis marginem interiorem albida, subreniformi albida fusco conspersa, lunulis marginalibus nigris; posticæ roseæ, valde denticulatæ, fascia mediocri subarcuata vix indentata postice angusta marginem interiorem non attingente, margine lato, striga apicali angusta alba, ciliis albis fusco subinterlineatis.

Whitish cinereous, speckled with black. Thorax with black bands in front. Abdomen pale brownish cinereous. Fore wings with a very slight glaucous tinge; transverse black lines not distinct; exterior one without prominent teeth; a whitish mark adjoining the inner side of the reniform spot; the subreniform spot also whitish and speckled with brown; marginal lunules black. Hind wings rosy red, much denticulated; band moderately broad, slightly curved, with some very slight indentations, narrow towards the interior margin, which it does not reach; border broad; a narrow white apical streak; ciliæ white, slightly interlined with brown. Length of the body 12—14 lines; of the wings 30—34 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by Dr. Barnston.
b. United States. Presented by E. Doubleday, Esq.
c. Canada. Presented by Dr. Barnston.

Group 3.

Like the third European group.

A. Alæ posticæ macula nulla apicali rufa.
A. Alæ anticæ macula discali albida. - - amatrix, *Hübn.*
B. Alæ anticæ macula nulla discali albida.

A. Alæ posticæ margine latissimo nigro.
  a. Alæ posticæ fascia latissima. - - cara, *Guen.*
  b. Alæ posticæ fascia sat angusta. - selecta, *Walk.*
B. Alæ posticæ margine lato nigro.
  a. Alæ anticæ striga nulla basali.
    i. Alæ posticæ coccineæ. - - ultronia, *Hübn.*
    ii. Alæ posticæ roseæ. - - concumbens, *Walk.*
  b. Alæ anticæ striga basali. - - - nurus, *Walk.*
B. Alæ posticæ macula apicali rufa. - - junctura, *Walk.*

28. Catocala amatrix.

Cinerea; thorax nigro fasciatus; abdomen testaceo-cinereum; alæ anticæ macula discali albida, vitta basali lineis transversis angulosis lunulisque marginalibus nigris, reniformi maculaque postica testaceo signatis; posticæ roseæ, fascia margineque nigris, maculis marginalibus pallidis, ciliis albis.

Noctua amatrix, *Hübn. Noct.* f. 487.
Lamprosia amatrix, *Hübn. Samml. Exot. Schmett.* ii. *Lep.* iv. *Noct.* iii. *Semigeometræ*, viii. *Blepharoniæ* B. *Coccinæ*, 2, f. 3, 4; *Verz. Schmett.* 277, 1722.
Catocala amatrix, *Guen. Noct.* iii. 86, 1434.

a, *b*. United States. Presented by E. Doubleday, Esq.
c—*e*. Nova-Scotia. From Lieut. Redman's collection.
f. Orilla, West Canada. From Mr. Bush's collection.
g. North America.

29. Catocala nurus.

Cinerea, vix fuscescens; thorax fasciis anticis fuscis; abdomen subtestaceo-cinereum; alæ anticæ ex parte fusco subnebulosæ, striga basali lata obscure fusca, lineis transversis denticulatis distinctis, dentibus duobus exterioribus longissimis, striga versus marginem exteriorem discali fusca; posticæ roseo-rufæ, fascia lata arcuata antice excavata marginem interiorem non attingente, margine lato postice angustato, ciliis et striga angusta apicali albidis.

Cinereous, with a very slight brownish tinge. Thorax with brown bands in front. Abdomen with a slight testaceous tinge. Fore wings slightly and partly clouded with brown; a broad dark brown basal streak; the usual transverse denticulated black lines distinct, and the exterior one with two very prominent teeth; a brown streak in the disk towards the exterior border, being a con-

tinuation of the basal streak; reniform and hinder spots indistinct. Hind wings rosy red; band broad, curved, excavated on the fore part of its exterior side, not extending to the interior margin; border broad, becoming narrower hindward to the interior angle; ciliæ and the adjoining apical part of the wing whitish. Length of the body 13—15 lines; of the wings 32—36 lines.

This species is nearly allied to *C. amatrix*, but may be at once distinguished by the broader and more curved band of the hind wings.

a—c. United States. Presented by E. Doubleday, Esq.

30. CATOCALA JUNCTURA.

Obscure cinerea; thorax albo conspersus; abdomen pallide cinereum; alæ anticæ nigro ex parte subconspersæ, lineis transversis denticulatis indistinctis fusco submarginatis, reniformi nigricante fusco subnotata, lunulis marginalibus nigris; posticæ miniatæ, basi ochraceo-rufæ, fascia sat angusta subrecta subexcavata sat abbreviata, margine mediocri, macula apicali magna elongata lunulisque posterioribus rufis, ciliis albidis.

Dark cinereous. Thorax speckled with white. Abdomen pale cinereous. Fore wings very slightly and partly clouded with black; the usual transverse denticulated lines indistinct, slightly and diffusedly bordered with brown; reniform spot blackish, slightly marked with brown, as is also the adjoining hinder spot; marginal lunules black. Hind wings red-lead colour, orange-red towards the base; band rather narrow, nearly straight, with some slight excavations, curved near its hind end, terminating at some distance from the interior margin, but with its extension indicated by a few black hairs; border moderately broad, including a large elongated apical red spot, and some hinder red marginal lunules; ciliæ whitish. Length of the body 14 lines; of the wings 34 lines.

a. United States. Presented by E. Doubleday, Esq.

31. CATOCALA CARA.

Ferrugineo-fusca; abdomen cinereo-fuscum; alæ anticæ macula discali nigro marginata fasciaque exteriore denticulata pallidioribus, lineis transversis denticulatis incompletis nigris; posticæ röseæ, basi et margine interiore fuscescentibus, fascia postice angusta margineque latissimo nigris, ciliis pallidis nigro notatis.

Catocala cara, *Guen. Noct.* iii. 87, 1435.

a. United States. Presented by E. Doubleday, Esq.
b, *c*. North America. From Mr. Milne's collection.

32. Catocala selecta.

Fusca; thorax fasciis anticis nigricantibus; abdomen pallide ferrugineo-fuscum; alæ anticæ lineis transversis denticulatis incompletis nigris, guttis submarginalibus nigris pallido extus marginatis, reniformi subferruginea; posticæ læte roseæ, fascia arcuata sat angusta postice abbreviata extus ante medium excavata, margine latissimo postice contracto et abbreviato, ciliis pallide luteis fusco strigatis.

Brown. Thorax in front with blackish bands. Abdomen pale ferruginous-brown. Fore wings with incomplete denticulated transverse lines, and with black submarginal dots which have pale exterior borders; reniform spot with a slight ferruginous tinge. Hind wings bright rose-colour; band curved, rather narrow, abbreviated at some distance from the interior border, somewhat excavated before the middle on its exterior side; border very broad, but gradually decreasing in breadth hindward, not extending to the interior angle; ciliæ and contiguous parts of the border pale luteous, with a few brown streaks. Length of the body 15 lines; of the wings 36 lines.

a. United States. Presented by E. Doubleday, Esq.

33. Catocala ultronia.

Cinereo-fusca; alæ anticæ albido-cinereæ, fascia latissimo postica plagaque marginali nigricantibus; posticæ coccineæ, fascia valde arcuata margineque lato nigris.

Eunetis ultronia (Noctua semigeometra, Blephuronia coccinea), *Hübn. Samml. Exot. Schmett.* ii. 26, 174, f. 347, 348; *Verz. Schmett.* 277, 1721.
Catocala ultronia, *Guen. Noct.* iii. 89, 1440.

a. North America. Presented by Major-General Hardwicke.
b, *c*. North America. Presented by J. G. Children, Esq.
d. United States. Presented by E. Doubleday, Esq.
e. Orilla, West Canada. From Mr. Bush's collection.

34. Catocala concumbens.

Albida, nigro conspersa; thorax antice fuscescens; abdomen pallide fusco-cinereum; alæ anticæ glauco-cinereæ, vix fuscescentes, lineis transversis incompletis gracillimis albido submarginatis, dente exteriore longissimo, reniformi subobsoleta, subreniformi nigro submarginata, linea submarginali albida indistincta, guttis marginalibus albidis intus nigro punctatis; posticæ roseæ, fascia margineque latis integris nigris, ciliis albis.

Whitish, speckled with black. Thorax brownish in front. Abdomen pale brownish cinereous. Fore wings glaucous-cinereous, with a very slight brownish tinge; transverse lines incomplete, very slender, with indistinct whitish borders, the exterior one with a very prominent tooth; reniform spot almost obsolete; the subreniform spot with an incomplete black border; submarginal line whitish, indistinct; marginal dots whitish, pointed with black on the inner side. Hind wings bright rose-colour, like those of *C. pacta;* band broad, curved, nearly regular in its outline, abbreviated towards the interior margin; border broad, gradually decreasing in breadth towards the interior angle, with a narrow white rose-tinged space between it and the white ciliæ. Length of the body 9—10 lines; of the wings 26—28 lines.

a. Orilla, West Canada. From Mr. Bush's collection.
b. North America.

Group 4.

Like the fourth European group

35. Catocala Ilia.

Cinerea; alæ anticæ albido variæ, nigricante nebulosæ lineis transversis angulosis nigris, reniformi et macula posteriore testaceo signatis; posticæ roseæ, fascia valde undulata margineque lato nigris, ciliis testaceis apud alæ apicem rufescentibus.

Phalæna Ilia, *Cram. Pap. Exot.* i. 53, pl. 33, f. B, C.
Eunetis Ilia, *Hübn. Verz. Schmett.* 277, 2717.
Catocala Ilia, *Guen. Noct.* iii. 91, 1445.

Jamaica.

a, b. United States. Presented by E. Doubleday, Esq.
c. United States. From Mr. Milne's collection.

36. Catocala Uxor.

Flavescente-cinerea; alæ anticæ pulverosæ, albo nigroque subnebulosæ, lineis transversis indistinctis, reniformi albo-glaucescente marginata, subreniformi pallidiore; posticæ roseo-rufæ, pilis basalibus nigricantibus, fascia lata arcuata postice angustata.

Catocala Uxor, *Guen. Noct.* iii. 92, 1446.

North America.

Group 5.

Alæ nigro-cinereæ, aut nigricantes; posticæ non fasciatæ.

Mormonia, *Hübn. Verz. Schmett.* 276.

Wings dark gray, or blackish. Hind wings without bands.

A. Alæ posticæ subtus fascia valde abbreviata. - Epione, *Drury.*
B. Alæ posticæ subtus fascia integra.
A. Alæ anticæ nigro nebulosæ. - - lacrymosa, *Guen.*
B. Alæ anticæ nigro non nebulosæ.
a. Alarum anticarum linea exterior dente uno elongato. desperata, *Guen.*
b. Alarum anticarum linea exterior dentibus duobus valde elongatis.
a. Alæ anticæ reniformi cervina. - - vidua, *Abbot.*
b. Alæ anticæ reniformi non cervina. - insolabilis, *Guen.*

37. Catocala lacrymosa.

Cinerea, nigro conspersa; thorax fasciis anticis nigris; alæ anticæ albido variæ, nigro ex parte nebulosæ, lineis transversis distinctis, linea submarginali albida nigricante extus marginata, guttis submarginalibus nigris albo signatis; posticæ nigræ, ciliis albis nigro indentatis.

Noctua vidua? *Oliv. Enc. Méth.* viii. 288, 189.
Catocala lacrymosa, *Guen. Noct.* iii. 93, 1447.

a. United States. Presented by E. Doubleday, Esq.

38. Catocala Epione.

Nigro-cinerea; alæ anticæ lineis transversis nigris, fascia exteriore fuscescente, linea submarginali albida, guttis marginalibus nigris albido signatis; posticæ nigræ, ciliis albis, subtus fascia albida valde abbreviata.

Phalæna (Noctua) Epione, *Drury*, *Ins.* i. 47, pl. 23, f. 2. *App.* ii. *Cram. Pap. Exot.* ii. pl. 102, f. e, f. *Fabr. Ent. Syst.* iii. 2, 163. *Oliv. Enc. Méth.* viii. 288, 190. *Guen. Noct.* iii. 93, 1488.

Catocala Epione, *Westw. Drury*, i. 43, pl. 23, f. 2.

Mormonia Epione, *Hübn. Verz. Schmett.* 276, 2712.

New York. Philadelphia.

a. North America. From Mr. Milne's collection.

39. Catocala insolabilis.

Mas. *Cinerea, subglaucescens; alæ anticæ lineis transversis incompletis, exteriore dentes duos longissimos fingente, linea submarginali albida, reniformi indistincta, annulo postico incompleto guttisque marginalibus nigris; posticæ nigræ, ciliis nigricantibus.*

Catocala insolabilis, *Guen. Noct.* iii. 94, 1449.

North America.

40. Catocala vidua.

Albido-cinerea: thorax fasciis anticis nigricantibus; alæ anticæ apud mediam subglaucescentes, lineis transversis incompletis bene determinatis, exteriore dentes duos longissimos fingente, linea submarginali albida, reniformis disco cervino, guttis submarginalibus nigris; posticæ nigræ, ciliis albis.

Phalæna vidua, *Abbot & Smith, Lep. Georg.* ii. 181, pl. 91.

Catocala vidua, *Guen. Noct.* iii. 94, 1450.

a. United States. Presented by E. Doubleday, Esq.

41. Catocala desperata.

Cinerea; thorax antice fasciatus; alæ anticæ lineis transversis integris non bene determinatis albido ex parte marginatis, reniformi linea submarginali ciliisque albidis; posticæ nigræ, ciliis albis.

Catocala desperata, *Guen. Noct.* iii. 95, 1451.

a, *b*. United States. Presented by E. Doubleday, Esq.

Group 6.

Like the fifth European group.

A. Alæ anticæ macula reniformi non nigra.
  A. Alæ anticæ vitta nulla apud marginem interiorem.
    a. Alæ posticæ fascia non excavata. - cerogama, *Guen.*
    b. Alæ posticæ fascia excavata.
      a. Alæ anticæ non albidæ.
        i. Alæ posticæ luteæ.
          * Alæ anticæ non ferrugineæ.
            † Alæ posticæ fascia subundulata.
              ‡ Alæ posticæ fascia apud medium contracta. neogama, *Abbot.*
              ‡‡ Alæ posticæ fascia apud medium non contracta.
                § Alæ posticæ basi fuscæ. palæogama, *Guen.*
                §§ Alæ posticæ basi luteæ. illecta, *Walk.*
            †† Alæ posticæ fascia valde undulata. antinympha, *Hübn.*
          ** Alæ anticæ ferrugineæ.
            † Alæ posticæ margine non latissimo. muliercula, *Guen.*
            †† Alæ posticæ margine latissimo. consors, *Abbot.*
        ii. Alæ posticæ ochraceæ. - - innubens, *Guen.*
      b. Alæ anticæ albidæ. - - - - Amasia, *Abbot.*
  B. Alæ anticæ vitta apud marginem interiorem.
    a. Alæ anticæ fasciis duabus furcatis. - Grynea, *Cram.*
    b. Alæ anticæ fasciis nullis furcatis. - - nuptula, *Walk.*
B. Alæ anticæ reniformi nigra.
  A. Alæ anticæ nigricante variæ. - micronympha, *Guen.*
  B. Alæ anticæ nigricante non variæ. - - nuptialis, *Walk.*

42. Catocala cerogama.

Canescens, nigro conspersa; abdomen cinereum; alæ anticæ ferrugineo vix variæ, plaga discali nigricante, strigis duabus anticis latis obliquis albidis, lineis transversis denticulatis venisque nigris, lunulis marginalibus nigris extus albo marginatis; posticæ nigræ, basi lutescentes, fascia maculaque oblonga apicali luteis, ciliis luteis apud venas nigris.

Catocala cerogama, *Guen. Noct.* iii. 96, 1452.

North America.

a—c. Trenton Falls, New York. Presented by E. Doubleday, Esq.
d. Orilla, West Canada. From Mr. Bush's collection.

43. Catocala neogama.

Cinerea; abdomen lutescens; alæ anticæ marginem exteriorem versus pallidiores, lineis transversis denticulatis guttisque submarginalibus pallido marginatis; posticæ luteæ, fascia apud medium contracta margineque nigris, macula apicali lutea.

Phalæna neogama, *Abbot & Smith, Lep. Georg.* ii. 175, pl. 68
Oliv. Enc. Méth. viii. 291, 195.
Catocala neogama, *Westw. Nat. Libr.* xxxvii. *Exotic Moths*, 202, pl. 26, f. 1, 2. *Guen. Noct.* iii. 96, 1453.

a. New York. From Mr. Milne's collection.

44. Catocala palæogama.

Fuscescens, albido conspersa; thorax nigro fasciatus; abdomen ferrugineo-cinereum; alæ anticis fasciis duabus obliquis abbreviatis lineaque exteriore transversa angulosa albidis, lineis transversis denticulatis, reniformis margine et annulo posteriore nigris, lunulis marginalibus nigris extus pallido marginatis; posticæ luteæ, basi et apud marginem interiorem fuscis, fascia margineque latis nigris, ciliis pallidis.

Catocala palæogama, *Guen. Noct.* iii. 97, 1454.

a, b. North America. From Mr. Milne's collection.
c. United States. Presented by E. Doubleday, Esq.

45. Catocala muliercula.

Ferrugineo-fusca, alæ anticæ nigricante nebulosæ, apud medium glaucescentes, lineis duabus medianis distinctis nigris sat approximatis, linea exteriore dentes duos elongatos fingente; posticæ læte luteæ, vitta interiore, fascia lata margineque sinuato nigris, ciliis nigro conspurcatis.

Catocala muliercula, *Guen. Noct.* iii. 97, 1455.

North America.

46. Catocala innubens.

Fusca; thorax fascia saturatiore; abdomen cinerascens; alæ anticæ vitta discali diffusa nigra maculam albam nigro marginatam includente, costa apud apicem, striga posteriore et linea submarginali albidis, lineis transversis denticulatis et guttis submarginalibus nigris, his pallido extus marginatis; alæ posticæ saturate luteæ, fascia margineque latis nigris, ciliis pallidis nigricante signatis basi luteis.

Catocala innubens, *Guen. Noct.* iii. 98, 1456.

a. United States. Presented by E. Doubleday, Esq.
b. United States. From Mr. Dyson's collection.

47. Catocala antinympha.

Nigro-cinerea; abdomen nigro-ferrugineum; alæ anticæ lineis transversis angulosis, reniformis margine et annulo posteriore nigris, reniformis disco fusco, fascia submarginali cinerea; posticæ nigræ, basi et apud marginem interiorem late fuscis, fasciis duabus valde undulatis maculaque elongata apicali luteis, ciliis pallidis.

Phalæna (Noctua) Paranympha, *Drury, Ins.* i. 49, pl. 23, f. 6. *App.* ii.
Ephesia antinympha, *Hübn. Verz. Schmett.* 278, 2731.
Catocala affinis, *Westw. Drury*, i. 44, pl. 23, f. 6.
Catocala melanympha, *Guen. Noct.* iii. 98, 1457.

New York. Canada.

a. United States. Presented by E. Doubleday, Esq.

48. Catocala consors.

Ferruginosa; alæ anticæ lineis transversis denticulatis et reniformis margine nigris, guttis submarginalibus nigris pallido notatis; posticæ luteæ, basi fuscæ, fascia lata undulata margineque latissimo nigris, punctis marginalibus strigaque apicali luteis.

Phalæna consors, *Abbot and Smith, Lep. Georg.* ii. 177, pl. 89. *Oliv. Enc. Méth.* viii. 197.
Catocala consors, *Guen. Noct.* iii. 99, 1458.

a. North America. Presented by J. G. Children, Esq.
b, c. Georgia. From Mr. Milne's collection.

49. Catocala micronympha.

Castaneo-fusca; alæ anticæ cano et nigricante variæ, lineis duabus medianis distinctis antice remotis postice approximatis, linea exteriore dentes duos fingente, dente postico subobsoleto, reniformi e striga nigra, umbra mediana bene determinata, linea submarginali albida angulosa; posticæ luteæ, strigis duabus basalibus nigricantibus, fascia angusta, subangulata, margine lato arcuato interrupto.

Catocala micronympha, *Guen. Noct.* iii. 102, 1466.
North America.

50. Catocala Amasia.

Albida; thorax nigro conspersus; abdomen lutescens; alæ anticæ fasciis duabus, una basali fusca, altera exteriore ferruginea, lituris costalibus, lineis transversis angulosis incompletis et reniformis margine nigris, guttis marginalibus nigris extus albido marginatis; posticæ luteæ, fascia abbreviata et margine interrupto nigris, macula apicali lutea.

Phalæna Amasia, *Abbot and Smith, Lep. Georg.* ii. pl 90. *Oliv. Enc. Méth.* viii. 290, 200.
Catocala Amasia, *Westw. Nat. Libr.* xxxvii. *Exotic Moths*, 205, pl. 26, f. 3. *Guen. Noct.* iii. 103, 1468.

a. North America. From Mr. Milne's collection.

51. Catocala Grynea.

Glaucescens; abdomen cinereum; alæ anticæ lituris costalibus nigris, vitta postica interrupta ferruginea, fasciis duabus canis antice furcatis ex parte nigro marginatis; posticæ luteæ, vitta prope marginem interiorem fasciaque connexis nigris, margine nigro, incisuris duabus, striga oblonga apicali lutea.

Phalæna Grynea, *Cram. Pap. Exot.* iii. 29, pl. 208, f. H.

Virginia.

52. Catocala illecta.

Pallide cinerea; abdomen luteum; alæ anticæ lineis nigris angustis distinctis, linea exteriore valde denticulata, dentibus duabus conspicuis, una longissima, reniformi apud discum albida nigro marginata, annulo postico nigro incompleto; posticæ luteæ, fascia subabbreviata extus antice excavata, margine lato, macula elongata apicali lutea, ciliis albidis.

Pale cinereous. Abdomen luteous. Fore wings with the usual transverse black lines, which are slender and distinct; exterior line much denticulated and having opposite the reniform spot two teeth which are much more prominent than the rest, the fore one about twice the length of the hind one; reniform spot whitish in the disk, bordered with black; hinder black ringlet incomplete. Hind wings bright luteous, with the band almost abbreviated towards the interior border, and excavated on the fore part of the exterior side; border broad, with an elongated apical luteous spot; ciliæ whitish. Length of the body 13 lines; of the wings 30 lines.

a. United States. Presented by E. Doubleday, Esq.

53. Catocala nuptula.

Subtestaceo-cinerea; abdomen testaceum; alæ anticæ lituris costalibus ferrugineis, lineis medianis obsoletis, linea exteriore ferruginea dentem nigro signatum fingente, striga lata ferruginea apud marginem interiorem extus attenuata, linea submarginali et reniformis margine albidis indistinctis, guttis submarginalibus nigris; posticæ luteæ, vitta interiore fusca, fascia apud medium contracta, margine lato incisuris duabus posticis, ciliis albido-testaceis fusco notatis.

Cinereous, with a slight testaceous tinge. Abdomen testaceous above. Fore wings with the transverse lines obsolete, or only represented by ferruginous costal marks, excepting the exterior one, which is ferruginous, nearly complete, has, as usual, a prominent tooth, which is marked with black, and is connected hindward with a broad ferruginous streak; the latter extends along the interior border, and is attenuated towards the exterior border; submarginal dots black; submarginal line and border of the reniform spot whitish, indistinct. Hind wings luteous, with a brown stripe near the interior border joining a much curved black discal band, which is contracted in the middle; border broad, black, with a narrow luteous space between it and the ciliæ, and having hindward on the inner side two indentations, of which the second is very deep; ciliæ whitish testaceous, with some brown marks. *Var.* β.—Hind wings with the border interrupted. Length of the body 7—8 lines; of the wings 18—20 lines.

a, *b*. North America. From Mr. Milne's collection.

54. CATOCALA NUPTIALIS.

Albido-cinerea; thorax fascia antica fusca; abdomen testaceum; alæ anticæ nigro subconspersæ, extus vix cervino tinctæ, lituris costalibus nigris aut nigro-fuscis, lineis medianis obsoletis, reniformi arcuata subpyriformi guttisque submarginalibus nigris, linea exteriore postice obsoleta, linea submarginali albida indistincta; posticæ luteæ, striga basali indistincta nigricante, fascia arcuata abbreviata apud costam dilatata, margine lato postice exciso.

Whitish cinereous. Thorax with a brown band in front. Abdomen testaceous above. Fore wings minutely speckled with black, with a very slight fawn-coloured tinge on the exterior part, which includes the indistinct whitish submarginal band; the usual transverse lines obsolete, excepting some black or dark brown costal marks, the exterior line visible for nearly half its length from the costa; reniform spot black, curved, subpyriform; submarginal dots black. Hind wings luteous, with a black slightly curved band, which is abbreviated towards the interior border, and is somewhat dilated towards the costa; a slight indistinct basal blackish streak; border broad, black, narrower towards the interior angle, near which it has a notch on the inner side; ciliæ pale. Length of the body 9 lines; of the wings 22 lines.

a. United States. Presented by E. Doubleday, Esq.

Group 7.

Like the sixth European group.

55. CATOCALA POLYGAMA.

C. hymeneæ *affinis; cinerascens; palporum articulus 2us securiformis, 3us subspatulatus; alæ anticæ subviridescentes, ferrugineo magis conspersæ, lineis minus concisis, angulis minus acutis, striga antica nigra ferrugineo marginata; posticæ fascia magis coarctata et arcuata, margine minus inciso, macula apud angulum interiorem minore.*

Catocala polygama, *Guen. Noct.* iii. 105, 1472.

Var.? Whitish. Fore wings with a slight pale glaucous-green tinge from the base to the exterior line, the latter having two prominent teeth, of which the fore one is more prominent than the hind one; a broad ferruginous line near the base bordered by two black lines, and a diffuse band of the same hue beyond the exterior line; space between the latter band and the black marginal dots gray, including the indistinct brownish submarginal line; reniform spot partly bordered with black and inclosed in a white space; subreniform spot bordered with black. Hind wings luteous, brown along the interior border; band excavated in the middle, much curved, joining the brown part; border with the usual hindward notch; a small apical luteous streak; ciliæ pale, with brown marks. *Var.* β.— Fore wings with the ferruginous hue almost obsolete; subreniform spot larger. Hind wings with the border interrupted. Length of the body 8 lines; of the wings 18 lines.

a. North America. From Mr. Milne's collection.
b. Orilla, West Canada. From Mr. Bush's collection.

56. CATOCALA CONNUBIALIS.

Pallide cinerea; alæ anticæ apice subacutæ, lineis duabus medianis sat approximatis, linea exteriore duplicata, macularum reniformis et subreniformis marginibus bene determinatis, striga postica nigricante; posticæ luteæ, striga basali, fascia margineque angustis, hac interrupta.

Catocala connubialis, *Guen. Noct.* iii. 105, 1473.

North America.

Var.? Whitish. Thorax speckled with black. Abdomen dull luteous. Fore wings with a brown band near the base, speckled with black and white and bordered by two black lines; a middle brown abbreviated band extending from the costa, occupying most of the reniform spot and extending somewhat beyond it; reniform and subreniform spots with distinct complete black borders; exterior line zigzag along its whole length, the two larger teeth less prominent than in most species; space between it and the black marginal dots ferruginous, inclosing a black zigzag line, which is much like the preceding one, and is mostly bordered with white. Hind wings luteous, with a rather narrow somewhat excavated band which joins a streak near the interior margin; border rather widely interrupted; apical streak and ciliæ pale, the latter with brown marks. Length of the body 8 lines; of the wings 18 lines.

a. ———?

Group 8.

Corpus sat gracile. Alæ anticæ angustæ, cinereæ, nebulosæ, lineis transversis denticulatis nigris; posticæ luteæ, margine abbreviato nigro.

Corisce, *Hübn. Verz. Schmett.* 278.

Body rather slender. Fore wings narrow, cinereous, clouded, with transverse denticulated black lines. Hind wings luteous, with an abbreviated black border.

57. Catocala amica.

Fœm. *Cinerea; abdomen luteum; alæ anticæ lineis transversis undulatis fascia media lata incompleta irregulari apicibusque fuscis, subtus flavæ nigro bifasciatæ; posticæ luteæ nigro marginatæ.*

Ephesia amica, Noctua semigeometra, Blepharidia flava, *Hübn. Samml. Exot. Schmett.* i. 14, 29, f. 27, 28.
Corisce amica, *Hübn. Verz. Schmett.* 279, 2742.
Catocala andrephila, *Guen. Noct.* iii. 106, 1474.

Georgia, Florida.

a. North America. From Mr. Milne's collection.

58. Catocala Messalina.

Mas. *Cinerea*, C. amicæ *affinis, paullo major; prothorax fuscus; abdomen gracile, acutum, subtus fuscum; alæ anticæ fusco-cinereæ violaceo tinctæ, dimidio antico pallide cinereo, lineis duabus medianis postice approximatis, reniformi et linea exteriore contiguis; posticæ pallide luteæ, basi obscuræ, margine lato nigro.*

Catocala Messalina, *Guen. Noct.* iii. 107, 1475.

North America.

Mexico.

Group 1.

Like the second European group.

59. Catocala electilis.

Obscure cinerea; abdomen pallidum; alæ anticæ nigro conspersæ, fascia media diffusa nigricante, lineis transversis nigris distinctis integris, dentibus duobus exterioribus sat longis, linea submarginali undulata incompleta, lunulis submarginalibus nigris; posticæ roseo-rufæ, fascia mediocri subexcavata postice arcuata attenuata et abbreviata, margine sat lato postice inciso, striga apicali ciliisque albis, his postice nigricantibus.

Dark cinereous. Abdomen paler. Fore wings speckled with black, and with a blackish diffuse band across the middle concealing the reniform spot; transverse black lines distinct, complete, the exterior one with two rather prominent teeth; submarginal line undulating, incomplete; submarginal lunules black; under side white, with black bands. Hind wings rosy red; band moderately broad, slightly excavated, curved and attenuated hindward, not extending to the interior margin; border rather broad, somewhat notched hindward; apical streak and ciliæ white, the latter mostly blackish towards the interior angle; under side red with black bands, white towards the costa. Length of the body 14 lines; of the wings 36 lines.

a. Mexico. From Mr. Glennie's collection.

Asia.

Group 1.

Like the second European group.

A. Alæ posticæ fascia arcuata.
A. Alæ posticæ subtus fascia vix attenuata. - unicuba, *Walk.*
B. Alæ posticæ subtus fascia valde attenuata - concubia, *Walk.*
B. Alæ posticæ fascia non arcuata. - - prolifica, *Walk.*

60. Catocala unicuba.

Fuscescente-cinerea, nigro conspersa; abdomen pallidum; alæ anticæ intus pallidiores, lineis transversis et macularum discalium marginibus lunulisque submarginalibus nigris, linea exteriore valde angulosa, submarginali indistincta; posticæ roseo-rufæ, fascia marginem interiorem non attingente.

Brownish cinereous, speckled with black. Abdomen paler. Fore wings somewhat paler on the inner side of the reniform spot, which, like the subreniform, is bordered with black; transverse black lines of the usual form, the exterior one with numerous angles; submarginal line indistinct; submarginal lunules black. Hind wings rosy red; band much like that of *C. nupta*, but not extending to the interior margin; border like that of *C. nupta*. Length of the body 13 lines; of the wings 32 lines.

This species very much resembles *C. nupta*, but may be distinguished by the different form of the exterior line of the fore wings, and by the much more excavated band on the under side of the hind wings.

a. North Hindostan. Presented by Mrs. Mauger.

61. Catocala concubia.

Albido-cinerea, nigro dense conspersa, subtus alba; abdomen obscure cinereum; alæ anticæ intus pallidiores, reniformi et lineis transversis non bene determinatis, linea submarginali albida; posticæ rufæ, fascia arcuata mediocri auto medium contracta marginem interiorem non attingente, striga apicali ciliisque albis.

Whitish cinereous, thickly speckled with black, white beneath. Abdomen dull cinereous. Fore wings somewhat paler between the

base and the reniform spot than exteriorly, with the exception of the whitish submarginal line; the usual black lines and the reniform spot not very distinct; under side with the usual black bands. Hind wings red; band curved, moderately broad, somewhat contracted before the middle, not extending to the interior margin; border broad, somewhat less excavated hindward than that of *C. nupta;* apical streak and ciliæ white; under side with the red part occupying a much smaller space than that of *C. nupta*, and with the band very much attenuated towards the costa. Length of the body 15 lines; of the wings 36 lines.

a. North Hindostan. Presented by Mrs. Mauger.

62. CATOCALA PROLIFICA.

Nigricante-cinerea; abdomen cinereum; alæ anticæ ferrugineo subvariæ, ex parte viridescente-nigræ, lineis transversis valde indistinctis, maculis discalibus obsoletis; posticæ rufæ, fascia recta incisa vix lata postice angulata non abbreviata, margine latissimo valde excavato, striga apicali alba, ciliis nigricantibus.

Blackish cinereous, whitish beneath. Abdomen cinereous. Fore wings wholly black, and with a slight greenish tinge in some parts, here and there slightly ferruginous; transverse lines very indistinct; discal spots obsolete; under side white, with the black bands very broad. Hind wings red, with the band hardly broad, irregular in outline, straight, angular hindward, extending to the interior margin; border very broad, much excavated hindward; apical streak white; ciliæ mostly blackish; under side red, white towards the costa. Length of the body 16 lines; of the wings 36 lines.

a. North Hindostan. Presented by Mrs. Mauger.

Group 2.

Like the fifth European group.

A. Alæ posticæ fascia lutea. - - - - amata, *Bremer.*
B. Alæ posticæ luteæ.
A. Alæ posticæ margine interrupto. - abamita, *Bremer.*
B. Alæ posticæ margine non interrupto.
a. Alæ posticæ macula apicali lata. - - dotata, *Walk.*
b. Alæ posticæ macula apicali angusta. - præguax, *Walk.*

63. Catocala amata.

Cinerea; alæ anticæ fusco fasciatæ, puncto mediano nigro; posticæ nigræ, fascia flava, et ad marginem externum maculis duabus flavis haud distinctis; subtus anticæ obsoleto flavescentes cum fascia nigra et margine externo late nigro; posticæ flavescente-cinereo variæ, fusco pruinosæ, striga nigra.

Catocala amata, *Bremer und Grey, Beitr. zur Schmett. Fauna des Nordlichen China's*, 19, 101.

North China.

64. Catocala abamita.

Alæ anticæ cinereo-fuscoque nebulosæ, striis dentatis nigris, vitta basali lata nigra; posticæ flavæ, basi obfuscatæ, fascia media angusta margineque interrupto nigris.

Catocala abamita, *Bremer und Grey, Beitr. zur Schmett. Fauna des Nordlichen China's*, 19, 160.

North China.

65. Catocala dotata.

Fœm. *Fusca; abdomen sublutescente-cinereum; alæ anticæ ferrugineo cinereoque variæ, lineis transversis et macularum discalium marginibus nigris distinctis, linea submarginali indistincta, guttis marginalibus nigris extus pallidis; posticæ luteæ, apud marginem interiorem fuscescentes, fascia valde arcuata, margine lato, macula apicali magna oblonga lutea, ciliis luteis fusco notatis.*

Female. Brown, pale beneath. Abdomen cinereous, with a slight luteous tinge. Fore wings varied with ferruginous and cinereous, with the transverse lines black and distinct, as are also the borders of the reniform and subreniform spots, which are rather large; exterior line with two prominent teeth, the fore one longer than the hind one; submarginal line indistinct; marginal dots black, pale on the outer side. Hind wings luteous, brownish along the interior border; band not broad, forming an angle on the outer side in the middle, narrower in front and hindward, where it is much curved and joins the brown part; border broad, with two hindward excavations; a large oblong apical luteous spot; ciliæ luteous, with some brown marks. Length of the body 8 lines; of the wings 22 lines.

a. North Hindostan. Presented by Mrs. Mauger.

66. Catocala prægnax.

Mas. *Nigricante-cinerea; abdomen luteum; alæ anticæ lineis transversis nigris incompletis et indistinctis, reniformi et subreniformi nigro marginatis, fascia interiore et macula antica exteriore albidis, linea submarginali valde indistincta, guttis marginalibus nigris; posticæ luteæ, fascia valde arcuata, strigis duabus basalibus nigris, margine antice lato, striga apicali angusta lutea.*

Male. Blackish cinereous. Abdomen luteous. Fore wings with the usual black lines, which are rather incomplete and indistinct; reniform and subreniform spots with black borders; an indistinct whitish band on the inner side of the reniform spot, and a whitish mark between it and the exterior line, which has, as usual, one very prominent tooth; submarginal line very indistinct; marginal dots black. Hind wings luteous, with a much curved band, which is slightly excavated along the fore part of its outer side, and does not extend to the interior margin; two black basal streaks, the fore one very short; border much broader in front than hindward, where it has two slight excavations; apical streak narrow, luteous. Length of the body 9 lines; of the wings 22 lines.

This species may be especially distinguished from the preceding one by the much broader space between the border and the hind part of the band in the hind wings.

a. North China. From Mr. Fortune's collection.

Country unknown.

67. Catocala sponsalis.

Fœm. *Pallide cinerea, fusco conspersa; palporum articulus 3us longiusculus; thorax antice fusco fasciatus; abdomen roseum, basi pallidum; alæ anticæ fusco ex parte nebulosæ, lineis transversis nigris denticulatis incompletis, reniformi apud discum ferruginea, annulo posteriore contiguo nigro, linea submarginali angulosa albida, guttis submarginalibus nigris; posticæ latissime roseæ, fascia valde arcuata apud medium coarctata postice abbreviata, margine mediocri interrupto, macula apicali elongata guttisque posterioribus roseis.*

Female. Pale cinereous, sprinkled with brown. Third joint of the palpi much longer than in the typical species of *Catocala*. Thorax with a brown band in front. Abdomen rosy, pale at the base. Fore wings partly clouded with brown; transverse lines black, denticulated, irregular and incomplete; reniform spot ferruginous in the disk; a posterior contiguous very irregular black ringlet; submarginal line zigzag, whitish; submarginal dots black. Hind wings very bright rose-colour; band very much curved, narrow in the middle, dilated at each end, not near extending to the interior margin; border moderately broad, interrupted towards the interior angle, including an elongated apical rosy spot, and a row of hindward rosy dots. Length of the body 13 lines; of the wings 46 lines.

a. ——— ? Presented by Major-General Hardwicke.

68. Catocala? Lucretia.

Catocalis genuinis *dissimilis; palporum articulus 3us longior obtusior subclavatus; fronte alba, fascia nigra; alæ subtus flavæ, macula ventrali apiceque fuscis; anticæ albo-cinereæ, undulis maculaque marginis interioris fuscis; posticæ nigræ, fascia flava.*

Noctua Lucretia, *Dalm. Anal. Ent.* 52, 30.

Genus 3. BLENINA.

Corpus robustum. Proboscis mediocris. Palpi ascendentes, longiusculi; articulus 3us 2o vix brevior. Antennæ simplices, corporis dimidio vix longiores. Abdomen alas posticas perpaullo superans, basi cristatum. Pedes validi, sat longi; tibiæ posticæ calcaribus longissimis. Alæ breviusculæ, non latæ; anticæ apud costam subrectæ, apice subrotundatæ, margine exteriore subangulato postice obliquo.

Body stout. Proboscis moderately long. Palpi ascending, rather long; third joint almost as long as the second. Antennæ simple, about half the length of the body. Abdomen extending very little beyond the hind wings, crested at the base. Legs stout, moderately long; hind tibiæ with very long spurs. Wings rather short, not broad. Fore wings nearly straight in front, somewhat rounded at the tips, moderately oblique along the hinder part of the exterior border, which is somewhat angular in the middle.

1. BLENINA DONANS.

Pallide cinerea; abdomen luteum; alæ anticæ fascia lata indistincta nigricante exteriore reniformem nigro submarginatam includente, lineis transversis nigris angulosis indistinctis incompletis, linea submarginali albido marginata; posticæ luteæ, margine lato cupreo-fusco.

Pale cinereous. Abdomen luteous. Fore wings with a broad indistinct blackish band beyond the middle, and including the reniform spot, which is partly bordered with black; transverse lines black, zigzag, indistinct and incomplete; submarginal line with a whitish border. Hind wings luteous, with a broad dark cupreous-brown border. Length of the body 7 lines; of the wings 16 lines.

a. Ceylon. Presented by R. Templeton, Esq.

2. BLENINA ACCIPIENS.

Albido-cinerea, nigro conspersa; abdomen luteum, cristis basalibus albido-cinereis; alæ anticæ subnebulosæ, lineis nonnullis transversis angulosis nigris, reniformi ex parte nigra; posticæ cupreo-fuscæ, vitta discali lutea apud marginem interiorem dilatata, ciliis luteis apud alæ apicem fuscis. Var. β.—*Alæ anticæ lineis transversis ex parte obsoletis.* Var. γ.—*Alæ anticæ fascia lata interiore albida.*

Whitish cinereous, speckled with black. Abdomen luteous, with whitish cinereous crests at the base. Fore wings slightly clouded, with several transverse slight zigzag black lines; reniform spot partly black. Hind wings cupreous-brown, with a luteous discal stripe, which is dilated towards the interior border; cilia luteous, except at the tips. *Var.* β.—Fore wings with some of the transverse lines obsolete. *Var.* γ.—Fore wings with a broad whitish band near the base. Length of the body 5—6 lines; of the wings 12—14 lines.

This species is very variable in the markings of the fore wings, and the Ceylon specimen differs slightly from all the others, but does not seem to be a distinct species.

a. Ceylon. Presented by R. Templeton, Esq.
b—e. Australia. Presented by J. Hunter, Esq.
f, g.———? From Mr. Milne's collection.

Genus 4. ALLOTRIA.

Corpus robustum. Palpi arcuati, valde ascendentes, non crassi; articulus 2us rectus; 3us longus, linearis, acutus. Antennæ simplices, graciles. Thorax brevis, convexus, villoso-squamosus, hirsutus. Abdomen sat longum, alas posticas superans. Alæ subdenticulatæ, sat latæ; anticæ apud costam rectæ, apice subangulatæ, margine exteriore vix obliquo; posticæ pallidæ, marginatæ. *Mas.*—Abdomen conicum. *Fœm.*—Abdomen crassum, cylindrico-conicum.

Allotria, *Hübn. Verz. Schmett.* 280. *Guen. Noct.* iii. 36.

Body robust. Palpi curved, ascending, not thick; second joint straight; third long, linear, acute. Antennæ simple, slender. Thorax short, convex, villose-squamose, hirsute. Abdomen rather long, extending beyond the hind wings. Wings slightly denticulated, moderately broad. Fore wings straight along the costa, slightly angular at the tips, with the exterior border hardly oblique. Hind wings pale, bordered. *Male.*—Abdomen conical. *Female.*—Abdomen stout, cylindric-conical.

1. ALLOTRIA ELONYMPHA.

Fusca; alæ anticæ fascia media latâ irregulari alba fusco varia lineisque transversis undulatis subapicalibus albidis et nigris, striyaque postica basali alba; posticæ cervinæ, margine lato nigro-fusco cervino ex parte ciliato.

Ephesia elonympha (Noctua semigeometra, Blepharidea flava), *Hübn. Zutr. Samml. Exot. Schmett.* f. 29, 30.

Allotria elonympha, *Hübn. Verz. Schmett.* 280, 2748. *Guen. Noct.* iii. 37, 1369.

Georgia. Florida.

Fam. 5. OPHIDERIDÆ.

Statura magna. Corpus robustum. Oculi magni, extantes. Proboscis robusta. Palpi validi, ascendentes; articulus 3us sæpissime clavatus, elongatus. Antennæ longæ, robustæ. Thorax crassus, villosus. Abdomen basi villosum. Pedes longiusculi, calcaribus longis. Alæ amplæ, robustæ; posticæ sæpissime discolores.

Ophideridæ, *Guen. Noct.* iii. 108.

Size large. Body stout. Eyes large, prominent. Proboscis robust. Palpi stout, ascending; third joint most often long and clavate. Antennæ long, robust. Thorax thick, villose. Abdomen villose at the base. Legs rather long; hind tibiæ with long spurs. Wings ample, robust. Hind wings very generally differing in colour from the fore wings.

A. Palpi spatulati aut clavati.
  A. Alæ posticæ luteæ. - - - 1. OPHIDERES, *Boisd.*
  B. Alæ posticæ cyaneæ. - - 5. POTAMOPHORA, *Guen.*
B. Palpi non clavati.
  A. Palpi articulo 3o brevissimo. - 4. PHYLLODES, *Boisd.*
  B. Palpi articulo 3o longo.
    A. Palporum articulus 3us apice non obtusus.
      6. LYGNIODES, *Guen.*
    B. Palporum articulus 3us obtusus. 2. GRAPHIGONA, *MSS.*
  C. Palpi articulo 3o *maris* longo, *fœm.* brevi.
      3. MINIODES, *Guen.*

Subfam. 1. OPHIDERIDÆ PROPR., *Guen.*

Genus 1. OPHIDERES.

Corpus robustum. Oculi magni, extantes. Proboscis mediocris. Palpi longi, ascendentes, compressi; articulus 3us clavatus, 2o multo brevior. Antennæ simplices, corporis dimidio longiores. Thorax cristatus. Abdomen cristatum, dense vestitum, alas posticas non aut vix superans. Pedes validi, longiusculi, densissime vestiti; tibiæ posticæ calcaribus longis. Alæ amplæ; anticæ plus minusve acutæ, nonnunquam subhamatæ, costæ apicem versus subarcuatæ; margo exterior rectus aut convexus, plus minusve obliquus, nonnunquam denticulatus.

Ophideres, *Boisd. Faune Ent. Mad. Bourb. et Maur. Lép.* 99. *Guen. Noct.* iii. 109.
Corycia, Acacallis, Othreis, Rhytia, Mœnas et Trissophaes, *Hübn. Verz. Schmett.* 264, 265.

Body stout. Eyes large, prominent. Proboscis moderately long. Palpi long, ascending; third joint compressed, clavate, much shorter than the second. Antennæ simple, more than half the length of the body. Thorax crested. Abdomen crested, densely clothed, not or hardly extending beyond the hind wings. Legs

stout, rather long, very densely clothed; hind tibiæ with long spurs. Wings ample. Fore wings slightly curved towards the tip of the costa, more or less acute, and sometimes almost hooked at the tips, more or less oblique, straight or curved, in some species slightly denticulated along the exterior border.

West Indies.

1. Ophideres serpentifera.

Ferrugineo-fusca; abdomen luteum; alæ anticæ purpurascente tinctæ, fasciis undulatis obscurioribus, fascia submarginali nigricante magis distincta, lituris duabus basalibus plagaque discali nigricantibus, reniformi ferruginea oblonga bene determinata ramum emittente, plaga ferruginea apud angulum interiorem; posticæ luteæ, basi fuscæ, fascia abbreviata serpentina margineque nigris.

Ferruginous-brown. Abdomen luteous. Fore wings with a purplish bloom, with several undulating darker bands, and with a blackish more complete and regular submarginal band; two blackish marks near the base, and a blackish discal patch; the latter is near the interior side of the reniform spot, which is ferruginous, oblong and well-defined, and emits a branch in front; a large ferruginous patch by the interior angle; exterior border not denticulated; interior border excavated. Hind wings bright luteous, brown at the base; a somewhat abbreviated serpentine discal black band, and a black border which is abbreviated hindward, and ends opposite the band. Length of the body 16 lines; of the wings 42 lines.

a. St. Domingo. From Mr. Tweedie's collection.
b. Rio Janeiro. From Mr. Stevens' collection.

South America.

A. Alæ posticæ non fasciatæ. - - - - Cacica, *Guen.*
B. Alæ posticæ fasciatæ.
A. Alæ posticæ fasciis duabus.
a. Alæ anticæ argenteo maculatæ. - scabellum, *Guen.*
b. Alæ anticæ argenteo non maculatæ.
a. Palporum articulus 3us spatulatus. - - Procus, *Cram.*
b. Palporum articulus 3us vix spatulatus. Columbina, *Guen.*

B. Alæ posticæ fascia una.
  A. Alæ posticæ fascia serpentina. - memorans, *Walk.*
  B. Alæ posticæ fascia non serpentina.
    a. Alæ anticæ vitta nigricante. - - collusoria, *Cram.*
    b. Alæ anticæ vitta nulla nigricante. - opta, *Walk.*

2. Ophideres Cacica.

Nigro-fusca; palpi longi; antennæ fulvæ; alæ anticæ glaucescente suffusæ, macula reniformi, plaga apud angulum interiorem lituraque marginali nigricantibus; posticæ disco transverse luteo.

Ophideres Cacica, *Guen. Noct.* iii. 115, 1483.

a. Brazil. From M. Becker's collection.

3. Ophideres Procus.

Fusca, glaucescente suffusa; abdomen apice luteum; alæ anticæ ferrugineæ, coloribus variis plus minusve ornatæ, maculis duabus discalibus trigonis argenteis; posticæ luteæ, basi fasciisque duabus latissimis angulosis connexis nigris.

Phalæna Procus, *Cram. Pap. Exot.* ii. 85, pl. 149, f. G. *Oliv. Enc. Méth.* viii. 42.
Acacallis Procax, *Hübn. Verz. Schmett.* 205, 2598.
Ophideres Procus, *Guen. Noct.* iii. 116, 1487.

Surinam.

a, b. Brazil. From Mr. Argent's collection.
c. Venezuela. From Mr. Dyson's collection.

4. Ophideres scabellum.

Ferrugineo-fusca; abdomen luteum, basi cinereo-fuscum; alæ anticæ lineis transversis obscurioribus indistinctis, fascia repanda cinerascente, fascia exteriore et magis obliqua nigricante-ferruginea, lineola maculaque trigona discalibus argenteis, reniformi obscura bene determinata; posticæ luteæ, basi, margine interiore fasciisque duabus latis angulosis nigris.

Ophideres scabellum, *Guen. Noct.* iii. 117, 1488.

a, b. Brazil. From Mr. Mornay's collection.

5. Ophideres Columbina.

Cervino-fusca; palporum articulus 3us vix spatulatus; abdomen luteum, basi cinereo-fuscum; alæ anticæ strigis transversis obscurioribus, lineis duabus obliquis non undulatis, reniformi fusca; posticæ luteæ, basi, margine interiore fasciisque duabus latis angulosis nigris.

Ophideres Columbina, *Guen. Noct.* iii. 117, 1489.

Colombia.

6. Ophideres collusoria.

Ferrugineo-fusca; abdomen luteum; alæ anticæ fasciis anticis obscurioribus, vitta discali undulata nigricante, postice nebulosæ; posticæ luteæ, fascia incisa margineque abbreviato latis nigris.

Phalæna collusoria, *Cram. Pap. Exot.* ii. 116, pl. 172, f. F. *Oliv. Enc. Méth.* viii. 46.

Trissophaes collusaria, *Hübn. Verz. Schmett.* 264, 2591.

Ophideres collusoria, *Guen. Noct.* iii. 117, 1490.

Surinam.

7. Ophideres memorans.

Fœm. *Ferruginea; abdomen luteum, basi ferrugineo pilosum; alæ anticæ apice rotundatæ, pallido subconspersæ, fasciis nonnullis obliquis undulatis obscurioribus pallido marginatis, 1a recta, reniformi obscuriore angusta elongata strigam nigram lanceolatam emittente, fascia diffusa obscura maculaque postica angulata nigra contiguis, linea marginali pallida; posticæ luteæ, fascia serpentina margineque lato abbreviato nigris.*

Female. Ferruginous. Abdomen luteous, with ferruginous hairs at the base. Fore wings with four or five oblique transverse darker pale-bordered lines, the basal one straight, the rest undulating; some few very minute pale speckles along the costa and in the disk; reniform spot darker, narrow, elongated, its hind end emitting a lanceolate black streak towards the base of the wing, and joining a dark diffuse band; the latter extends irregularly from near the base of the interior border to the tip of the wing, it is partly blackish, except in the middle division, where its hind border is contiguous to a black wedge-shaped spot; costa and exterior

border slightly convex, the latter with a pale marginal line; tips rounded. Hind wings luteous, brownish at the base, with a broad black border, which is abbreviated towards the interior angle, and with a broad somewhat serpentine black band, which is abbreviated in front, and extends to the interior border. Length of the body 12 lines; of the wings 34 lines.

a. West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

8. Ophideres apta.

Fusca; abdomen luteum; alæ anticæ sericeæ, nitentes, lineis plurimis transversis incompletis pallidis, vitta discali arcuata fasciaque submarginali pallidis, vitta obliqua discali albida, reniformi nigro-fusca albido divisa postice dilatata; posticæ luteæ, macula discali strigas duas emittente margineque nigris.

Brown. Abdomen luteous. Fore wings silky, shining, with very numerous transverse irregular pale lines, with a curved pale discal stripe, and a pale submarginal band; an abbreviated whitish stripe proceeding obliquely from the discal stripe, and near the reniform spot, which is blackish brown, divided by a whitish streak, and much narrower in front than hindward. Hind wings luteous, with a black discal spot and a black border, and with white marginal spots; discal spot larger than that of *O. Fullonica*, and nearer the border, to which it emits two black streaks. Length of the body 16 lines; of the wings 40 lines.

a. Santarem. From Mr. Bates' collection.

Africa.

A. Alæ posticæ maculatæ. - - - - - materna, *Linn.*
B. Alæ posticæ fasciatæ.
A. Alæ posticæ guttis marginalibus albis. - Fullonica, *Linn.*
B. Alæ posticæ guttis marginalibus luteis. - Cajeta, *Cram.*
C. Alæ posticæ non fasciatæ nec maculatæ. - princeps, *Boisd.*

9. Ophideres materna.

Pallide viridescente-cinerea; abdomen luteum; alæ anticæ plagis duabus basalibus obscurioribus, linea discali lunulaque subapicali albidis, fascia obliqua exteriore obscura; posticæ luteæ, macula discali margineque nigris, guttis marginalibus. Fœm.—*Alæ anticæ vitta obliqua alba.*

Phalæna-Noctua materna, *Linn. Syst. Nat.* ii. 840, 117. *Drury, Ins.* ii. 24, pl. 13, f. 4. *Gmel. ed. Syst. Nat.* i. 5, 2533, 107. *Cram. Pap. Exot.* ii. pl. 174, f. B.; iii. pl. 267, f. E.
Noctua materna, *Fabr. Sp. Ins.* ii. 212, 16; *Mant. Ins.* ii. 137, 20; *Ent. Syst.* iii. 2, 16, 27. *Oliv. Enc. Méth.* viii. 259, 39.
Noctua hybrida, *Fabr. Syst. Ent.* 593, 11.
Rhytia materna, *Hübn. Verz. Schmett.* 264, 2594.
Triphæna materna, *Westw. Nat. Libr.* xxxvii. *Exotic Moths*, 201, pl. 25, f. 2; *ed. Drury*, ii. 26, pl. 63, f. 4.
Ophideres materna, *Boisd. Faun. Ent. Mad. Bourb. et Maur. Lép.* 100, 2. *Guen. Noct.* iii. 113, 1480.

a. Calcutta. Presented by Major-General Hardwicke.
b. North Bengal. Presented by W. W. Saunders, Esq.
c—e. North Hindostan. From Mr. James' collection.
f, g. Hindostan. From Mr. Milne's collection.
h, i. Ceylon. From Mr. Stevens' collection.
j. Gambia. From Mr. Rendall's collection.

10. Ophideres Fullonica.

Cinereo-ferruginea; abdomen luteum; alæ anticæ coloribus variis obscurioribus et pallidioribus nonnunquam ornatæ, macula lanceolata discali alba sæpe obsoleta; posticæ luteæ, lunula lata margineque latissimo nigris, guttis marginalibus albis.

Phalæna-Noctua Fullonica, *Linn. Syst. Nat.* 812, 16. *Clerck, Icon.* pl. 48, f. 1—4. *Gmel. ed. Syst. Nat.* i. 5, 2531, 16.
Noctua Dioscoreæ, *Fabr. Sp. Ins.* ii. 212, 15; *Mant. Ins.* ii. 137, 19; *Ent. Syst.* iii. 2, 16, 26. *Oliv. Enc. Méth.* viii. 30.
Phalæna-Noctua Pomona, *Cram. Pap. Exot.* ii. 122, pl. 77, f. C. *Seba, Ins*, iv. pl. 42, f. 13, 14.
Corycia Dioscoreæ, *Hübn. Verz. Schmett.* 265, 2600.
Ophideres Fullonica, *Guen. Noct.* iii. 111, 1477.

a. Ceylon. Presented by R. Templeton, Esq.
b, c. North Hindostan. From Mr. James' collection.
d. Hindostan. From Archdeacon Clerk's collection.
e. Sierra Leone. Presented by the Rev. D. F. Morgan.
f. Moreton Bay. Presented by — Gibbons, Esq.
g, h. Navigator's Islands. Presented by the late Duke of Northumberland.
i. New Hebrides? Presented by Sir John Liddell.

11. Ophideres Cajeta.

Fusca; abdomen luteum; alæ anticæ macula basali viridi; posticæ lunula discali apicibusque nigris. Mas.—*Alæ anticæ lineis albo punctulatis nigris, macula discali nigro-fusca, fasciis duabus linearibus obliquis plagaque postica albis, macula subapicali viridi.* Fœm.—*Alæ anticæ fasciis tribus obliquis pallidioribus.*

Corycia Cajeta, *Hübn. Verz. Schmett.* 265, 2599.
Phalæna-Noctua Cajeta, *Cram. Pap. Exot.* i. 48, pl. 30, f. A—C. *Seba, Ins.* iv. pl. 42, f. 13, 14.
Ophideres Cajeta, *Guen. Noct.* iii. 112, 1478.

a. North Hindostan. Presented by General Hearsay.
b. Madras. From Mr. Milne's collection.
c. Sumatra. From Sir Stamford Raffles' collection.
d—f. Sierra Leone. Presented by the Rev. D. F. Morgan.
g. Moreton Bay. Presented by — Gibbons, Esq.
h. New Hebrides? From Mr. Macgillivray's collection.
i. North Hindostan. From Mr. James' collection.
j. Hindostan. From Archdeacon Clerk's collection.
k. ———?

12. Ophideres princeps.

Violaceo-cinerea; alæ anticæ testaceo albido fusco et nigricante variæ, striga basali. postica nigra albido divisa, striga anteriore contigua testaceo-albida, reniformi magna nigricante intus producta, gutta contigua nigricante, plaga exteriore pallida, macula posteriore cuneata nivea; posticæ pallide luteæ, margine lato æquali nigro, guttis marginalibus albidis.

Ophideres Princeps, *Boisd. Voy. de l'Astrolabe*, Pt. 1. *Lep.* 245. *Guen. Noct.* iii. 114, 1481.

Dorei, New Guinea.

a. West Africa? Presented by E. Doubleday, Esq.

Madagascar.

13. Ophideres imperator.

Fusco-violacea; alæ anticæ violaceo nebulosæ atomis viridibus basi sparsis, striga basali alteraque obliqua pallidioribus; posticæ ochraceæ, fascia lata marginali maculaque connexa nigris. Fœm.—*Alæ anticæ violaceo-fuscæ atomis viridibus fuscoque conspersæ.*

Ophideres imperator, *Boisd. Guér. Icon. Règn. Anim. Ins.* pl. 89, f. 1. *Faune Ent. Mad. Bourb. et Maur. Lép.* 99, 1, pl. 14, f. 3. *Guen. Noct.* iii. 113, 1479.

a. Madagascar.

Asia.

A. Alæ anticæ hamatæ. - - - - tyrannus, *Guen.*
B. Alæ anticæ non hamatæ.
A. Alæ posticæ fasciatæ.
A. Alæ anticæ virides. - - - Salaminia, *Cram.*
B. Alæ anticæ viridi vittatæ. - - - - Ancilla, *Cram.*
C. Alæ anticæ viridi maculatæ. - - - discrepans, *Walk.*
D. Alæ anticæ non viridi variæ.
a. Alæ anticæ lineis nullis transversis. multiscripta, *Walk.*
b. Alæ anticæ lineis transversis. - - bilineosa, *Walk.*
B. Alæ posticæ maculatæ.
A. Alæ anticæ albo maculatæ. - Hypermnestra, *Cram.*
B. Alæ anticæ albo non maculatæ. - - plana, *Walk.*
C. Alæ posticæ non fasciatæ nec maculatæ. - Cocalus, *Cram.*

14. Ophideres tyrannus.

Cinereo-ferruginea; abdomen luteum; alæ anticæ subhamatæ, lineis duabus (una obliqua, altera perobliqua) obscuris; posticæ luteæ, plaga sublunata fasciaque submarginali nigris.

Ophideres tyrannus, *Guen. Noct.* iii. 110, 1476.

Hindostan.

15. Ophideres Ancilla.

Cinereo-ferruginea; abdomen luteum; alæ anticæ vitta postica fasciaque subapicali nigricantibus, vitta discali lata angulata viridi, margine interiore excavato; posticæ luteæ, lunula margineque nigris.

Phalæna Ancilla, *Cram. Pap. Exot.* ii. 84, pl. 149, f. F.
Phalæna strigata, *Donov. Ins. Ind.*
Othreis Homaëna, *Hübn. Verz. Schmett.* 264, 2597.
Ophideres ancilla, *Guen. Noct.* iii. 114, 1482.

a. Hindostan. From Mr. Milne's collection.
b. North Hindostan. From Mr. Stevens' collection.
c. Ceylon. Presented by R. Templeton, Esq.
d. Ceylon. From Mr. Stevens' collection.

16. Ophideres Salaminia.

Viridis; abdomen luteum; alæ anticæ vitta subcostali margineque exteriore albidis; posticæ luteæ, lunula margineque abbreviato nigris, guttis marginalibus pallidis.

Phalæna Salaminia, *Cram. Pap. Exot.* ii. 117, pl. 174, f. A.
Phalæna Fullonica, *Clerck, Icon.* pl. 48, f. 5, 6.
Noctua Salamina, *Fabr. Ent. Syst.* iii. 2, 17, 28. *Oliv. Enc. Méth.* viii. 27.
Maenas Salamina, *Hübn. Verz. Schmett.* 264, 2592.
Ophideres Salamina, *Guen. Noct.* iii. 115, 1484.

China. Singapore.

a. Hindostan. Presented by E. Doubleday, Esq.
b. Java? From Mrs. Henry's collection.
c. Java. From the East India Company's collection.
d. Ceylon. Presented by R. Templeton, Esq.

17. Ophideres Cocalus.

Fusca; abdomen luteum; alæ anticæ purpureo-fuscæ, fasciis variis fuscis, basi luteo subvariæ; posticæ nigricantes, disco ochraceo, ciliis albido notatis.

Phalæna Cocalus, *Cram. Pap. Exot.* ii. 59, pl. 134, f. B. *Oliv. Enc. Méth.* viii. 27.
Rhytia Cocale, *Hübn. Verz. Schmett.* 264, 2593.
Ophideres Cocalus, *Guen. Noct.* iii. 115, 1485.

a. Hindostan. Presented by E. Doubleday, Esq.

18. Ophideres Hypermnestra.

Viridis; abdomen luteum; alæ anticæ glaucescente variæ, lineis tribus transversis obliquis obscuris, fœm. *plagis guttisque albis; posticæ luteæ, maculis duabus discalibus margineque abbreviato nigris, guttis marginalibus albis.*

Phalæna-Noctua Hypermnestra, *Cram. Pap. Exot.* iv. 69, pl. 323, f. A, B. *Oliv. Enc. Méth.* viii. 40.

Rhytia Hypermnestra, *Hübn. Verz. Schmett.* 264, 2595.
Ophideres Hypermnestra, *Guen. Noct.* iii. 116, 1486.

a. Ceylon. Presented by R. Templeton, Esq.
b, *c*. Hindostan. From Archdeacon Clerk's collection.
d, *e*. North Hindostan. From Mr. James' collection.
f, *g*. Silhet. From Mr. Sowerby's collection.
h. Silhet. From the Rev. J. Stainforth's collection.

19. Ophideres multiscripta.

Fuscescente-cervina; abdomen luteum; alæ anticæ nigro conspersæ, macula reniformi longa angusta atro marginata ramum fuscum intus emittente, vitta posteriore nigricante interrupta maculaque pallida contiguis, margine exteriore denticulato; posticæ luteæ, fascia arcuata margineque nigris abbreviatis.

Brownish fawn-colour. Palpi moderately clavate. Abdomen luteous. Fore wings speckled with black, the speckles forming here and there little transverse undulating streaks; reniform spot long, narrow, with a deep black border, emitting a lanceolate branch hindward at a right angle towards the base of the wing, a blackish spot behind the reniform, prolonged interruptedly nearly to the exterior border; a pale spot on the elongation; exterior border much denticulated; interior border excavated. Hind wings luteous, with a black border, which is very broad at the tip of the wing, but much narrower hindward, is abbreviated towards the interior angle, and there approaches the hind end of the much curved and abbreviated black discal band; exterior border with pale luteous spots. Length of the body 14 lines; of the wings 36 lines.

a. Ceylon. From Mr. Stevens' collection.

20. Ophideres plana.

Pallide cinereo-viridis, testaceo tincta; abdomen luteum; alæ anticæ fusco subvariæ, nebulis discalibus et margine exteriore pallide cinereis, lineis duabus transversis obliquis fuscis, exteriore costam versus reflexa, reniformi e nebula fuscescente; posticæ luteæ, margine lato nigro, maculis marginalibus albis. Var.—*Abdomen apice fuscum; alæ posticæ maculis duabus discalibus nigris, margine nigro abbreviato.*

Pale cinereous-green, with a testaceous tinge. Abdomen luteous. Fore wings pale cinereous in part of the disk and along

the exterior border, mottled with pale brown, with two transverse oblique brown lines; the first near the base; the second beyond the middle, more oblique than the first, reflexed and occasionally obsolete near the costa; reniform spot distinguished by a brownish shade; interior border excavated. Hind wings luteous, with a broad black border, and with white marginal spots. *Var.*—Hind wings with a black spot in the disk, and another near the interior angle; black border not extending to the interior angle; marginal spots larger than in the female. Length of the body 11—13 lines; of the wings 28—32 lines.

a. Java. From Mr. Argent's collection.
b. Silhet. From the Rev. J. Stainforth's collection.
c. North Hindostan. From Dr. Hooker's collection.

21. OPHIDERES DISCREPANS.

Cervino-fusca; abdomen luteum; alæ anticæ fasciis nonnullis indistinctis incompletis obliquis fuscis, maculis nonnullis exterioribus pallide viridibus, reniformi albo guttata, venis nigro punctatis; posticæ lutcæ, fascia margineque latis abbreviatis nigris.

Fawn-coloured brown. Abdomen luteous. Fore wings with some indistinct and incomplete oblique brown bands, the exterior one accompanied by a very incomplete pale green band, which is composed of four or five spots; reniform spot with several white dots; veins with black points. Hind wings luteous, with a broad curved and abbreviated black band and a broad black border, which is abbreviated towards the interior angle; marginal spots whitish. Length of the body 17 lines; of the wings 42 lines.

Singapore. From Mr. Wallace's collection.

22. OPHIDERES BILINEOSA.

Ferrugineo-rufa; abdomen luteum; alæ anticæ subglaucescentes, apud marginem exteriorem cinereæ, lineis tribus transversis obliquis fuscis cinereo marginatis, 1a 2aque subrectis, 3a magis obliqua subundulata, reniformi angusta indistincta fusco marginata; posticæ luteæ, fascia brevissima valde arcuata margineque abbreviato nigris.

Ferruginous-red. Abdomen luteous. Fore wings with a glaucous tinge, cinereous along the exterior border and along the trans-

verse brown lines, which are three in number; first and second bands oblique, near the base, almost straight; third exterior, more oblique, slightly undulating; reniform spot narrow, indistinct, with a brown border. Hind wings luteous, with a black border, which is abbreviated towards the interior angle, and with a very short and much curved black discal band. Length of the body 12 lines; of the wings 28 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. ———? Presented by E. Doubleday, Esq.
c. ———?

Australasia.

23. Ophideres dividens.

Pallide cervina; abdomen luteum; alæ anticæ subroseo-albidæ, apud costam cervinæ, nebula basali postica fasciaque submarginali viridescentibus, fascia obliqua postice latissima apud alæ apicem valde attenuata intus recta extus excavata fusca, reniformi nigricante longi-subquadrata, striga apud reniformem albida, macula trigona exteriore alba; posticæ pallide luteæ, fascia discali arcuata margineque latissimis abbreviatis nigris, guttis marginalibus albidis.

Pale fawn-colour. Abdomen luteous. Fore wings whitish, with a very slight rosy tinge, fawn-coloured along the costa for more than half the length, slightly greenish hindward near the base, and with a greenish submarginal band; a brown oblique band occupying most of the interior border, but much attenuated towards the tip of the wing, straight along the interior side, but much excavated on the exterior side, where it interrupts the submarginal band; reniform spot blackish, elongate-subquadrate, divided near its exterior end by a whitish streak; a white triangular spot on the outer side of the brown band. Hind wings pale luteous, with a very broad blackish band, which is abbreviated hindward, and with a short curved and very broad black discal band; a row of whitish marginal dots. Length of the body 18 lines; of the wings 42 lines.

a. Java. From Mr. Argent's collection.

24. OPHIDERES SMARAGDIPICTA.

Ferruginea, nigro varia; abdomen luteum; alæ anticæ subpurpurascentes, lituris apud costam fasciaque submarginali interrupta smaragdinis, vitta nitidiore discali angulata albido marginata, reniformi elongata apud medium angusta nigro marginata; posticæ luteæ, fascia discali brevi arcuata margineque subinterrupto latis nigris.

Ferruginous, varied with black. Abdomen luteous. Fore wings with a purplish tinge, with emerald-green marks along the costa, with an interrupted emerald-green submarginal band, and with a brighter green irregular angular whitish bordered discal stripe; reniform spot elongated, narrow in the middle, bordered with black. Hind wings bright luteous, with a short broad curved black discal band, and with a broad black border, which is abbreviated and slightly interrupted towards the interior angle. Length of the body 13 lines; of the wings 30 lines.

Singapore.

a. Borneo. From Mr. Low's collection.

Polynesia.

25. OPHIDERES OBLITERANS.

Rufescente-cervina; abdomen luteum, disco subcervino; alæ anticæ pallide cervinæ, basi margine exteriore fasciisque duabus indistinctis obliquis et valde diffusis viridescentibus; posticæ luteæ, margine intus excavato fasciaque valde arcuata abbreviatis latissimis nigris.

Reddish fawn-colour. Abdomen luteous, somewhat fawn-coloured in the disk. Fore wings pale fawn-colour, pale greenish at the base, and with two indistinct oblique and very diffuse pale greenish bands; a pale greenish tinge along part of the exterior border; reniform spot pale greenish, indistinct; the other marks obsolete. Hind wings luteous, fawn-coloured towards the base, with a very broad black border, which is excavated interiorly and abbreviated hindward, where it approaches the much curved black band, which is also abbreviated and very broad. Length of the body 15 lines; of the wings 38 lines.

a, b. Navigator's Islands.

Genus 2. GRAPHIGONA.

Corpus robustum. Proboscis longiuscula. Palpi longi, compressi, suberecti, caput longe superantes; articulus 3us 2o brevior, basi usque ad apicem decrescens, apice truncatus. Antennæ simplices, graciles, corporis dimidio longiores. Abdomen lanceolatum, alas posticas non aut vix superans. Pedes validi, longi; tibiæ posticæ calcaribus longis. Alæ amplæ; anticæ costæ apicem versus subconvexæ, apice angulatæ, margine exteriore recto.

Graphigona, *MSS.*

Body stout. Proboscis rather long. Palpi long, compressed, almost vertical, ascending much above the head; third joint shorter than the second, slightly tapering from the base to the tip, which is truncated. Antennæ simple, slender, rather more than half the length of the body. Abdomen lanceolate, not or hardly extending beyond the hind wings. Legs stout, long; hind tibiæ with long spurs. Wings ample. Fore wings slightly convex towards the tip of the costa, angular at the tips, quite straight and moderately oblique along the exterior border; interior angle well-defined; ciliæ short.

1. GRAPHIGONA REGINA.

Ferrugineo-fusca; abdomen luteum; alæ anticæ lituris minutis transversis albidis, plaga discali rufescente; posticæ pallide luteæ, margine lato fusco.

Ophideres regina, *Guen. Noct.* iii. 118, 1491.

Colombia.

a. Brazil. From M. Becker's collection.
b. Brazil. From Mr. Stevens' collection.

2. GRAPHIGONA GUBERNATRIX.

Ferrugineo-fusca; abdomen luteum; alæ anticæ lineis transversis paucis flexis obscuris, macula discali exteriore subquadrata nivea, margine exteriore cinereo; posticæ luteæ, nigro marginatæ.

Ophideres gubernatrix, *Guen. Noct.* iii. 118, 1492.

Brazil. From M. Becker's collection.
Rio Janeiro. From Mr. Stevens' collection.
Santarem. From Mr. Bates' collection.

3. GRAPHIGONA ANTICA.

Fœm. *Cervina; palpi fusci, articulo 2o intus albo; antennæ nigræ, subtus testaceæ, supra apices versus albæ; pectus et abdomen flavescente-alba, hoc basi supra fuscum; pedes fusci; alæ anticæ albo subconspersæ, macula magna discali testacea; posticæ flavescente-albæ, margine lato fusco.*

Female. Fawn-colour. Palpi brown; second joint white on the inner side. Proboscis ferruginous. Antennæ black, testaceous beneath, white above towards the tips. Pectus and abdomen yellowish white; the latter brown at the base above. Legs brown. Fore wings ferruginous-brown, with a few minute white flecks, and with a large testaceous white-flecked discal spot; under side with a white broad slightly oblique discal band, which does not extend to the borders. Hind wings yellowish white, with a broad brown border, which extends round the tip to three-fourths of the length of the exterior border. Length of the body 15 lines; of the wings 36 lines.

Rio Janeiro. In Mr. Fry's collection.

Subfam. 2. PHYLLODIDÆ, *Guen.*

Genus 3. MINIODES.

Corpus sat robustum. Proboscis valida, non longa. Palpi ascendentes; articulus 2us validus, pilosus; 3us gracilis, linearis. Antennæ graciles, corporis dimidio paullo longiores. Abdomen alas posticas vix superans. Pedes sat validi, vix pilosi: tibiæ posticæ calcaribus sat longis. Alæ latiusculæ; anticæ apud costam vix convexæ, apice angulatæ, margine exteriore obliquo subconvexo. *Mas.*—Palporum articulus 3us longus, validus, 2o paullo brevior. Antennæ subpectinatæ. *Fœm.*—Palporum articulus 3us brevis, tenuis.

Miniodes, *Guen. Noct.* iii. 119.

Body moderately stout. Proboscis stout, not long. Palpi ascending; second joint stout, pilose; third joint slender, linear. Antennæ slender, a little more than half the length of the body. Abdomen hardly extending beyond the hind wings. Legs moderately stout, slightly pilose; hind tibiæ with moderately long sp... Wings moderately broad. Fore wings very slightly convex ...

the costa, angular at the tips, slightly convex and moderately oblique along the exterior border. *Male.*—Third joint of the palpi a little shorter than the second, stouter than that of the female and full twice its length. Antennæ minutely pectinated.

1. MINIODES DISCOLOR.

Alæ anticæ guttis tribus niveis; posticæ roseæ. Mas.—*Fusca; alæ anticæ luteo variæ.* Fœm.—*Abdomen roseum; alæ anticæ ochraceæ, subfasciatæ, vitta obliqua nigricante.*

Miniodes discolor, *Guen. Noct.* iii. 119.

a—*e*. Sierra Leone. Presented by E. Doubleday, Esq.

Genus 4. PHYLLODES.

Corpus robustum. Proboscis longiuscula. Palpi ascendentes, valde robusti et pilosi; articulus 3us linearis, gracillimus, brevissimus. Antennæ simplices, corporis dimidio multo longiores. Thorax longiusculus. Abdomen longum, cylindricum, alas posticas non superans. Pedes validi, longissimi; tibiæ posticæ calcaribus longis. Alæ amplæ; anticæ hamatæ, apud costam convexæ, margine exteriore subconvexo valde obliquo.

Ischyja, p., *Hübn. Verz. Schmett.* 265.
Phyllodes, *Boisd. Voy. de l'Astrolabe*, Pt. 1. *Lép.* 246. *Guen. Noct.* iii. 120.

Body stout. Proboscis rather long. Palpi ascending, very stout and pilose; third joint linear, very slender, less than one-fourth of the length of the second. Antennæ simple, much more than half the length of the body. Thorax rather long. Abdomen long, cylindrical, not extending beyond the hind wings. Legs stout, very long; hind tibiæ with long spurs. Wings ample. Fore wings hooked, convex along the costa, slightly convex and very oblique along the exterior border.

Asia.

1. PHYLLODES CONSOBRINA.

Fusca, plumbeo nitida; alæ anticæ luteo irroratæ, apice minus falcatæ, plaga magna marginis apicalis sublutea fusco varia, stigmate magno sigmoideo obscure fulvo, albo vix notato, subtus medio albæ venis nigris; posticæ nigro-cæruleæ macula magna anali chermesina medio alba, apice externo concolore.

Bombyx conspicillator, *Fabr. Ent. Syst.* iii. 412, 14.
Phyllodes consorbina, *Westw. Cab. Orient. Entom.* 57, pl. 28, f. 2.
Phyllodes perspicillator, *Guen. Noct.* iii. 120, 1494.

a. Hindostan. From Archdeacon Clerk's collection.
b, *c*. Silhet. From Mr. Sowerby's collection.
d. Silhet. From the Rev. J. Stainforth's collection.

2. PHYLLODES USTULATA.

Alæ anticæ ellipticæ, fuscæ, obscuriore variæ, apice falcatæ, plaga magna apicem versus magis livida, stigmate medio obliquo sublunato; posticæ fuscæ angulo externo late fulvo; quatuor subtus fuscæ apicibus fulvescentibus.

Phyllodes ustulata, *Westw. Cab. Orient. Ent.* 57, pl. 28, f. 1.
Phyllodes despicillator, *Guen. Noct.* iii. 122, 1497.

Silhet.

a. Hindostan. From Mr. Stevens' collection.

3. PHYLLODES CONSPICILLATOR.

Fusca, cervino varia; alæ anticæ reniformi albo biguttata; posticæ nigricantes, plagis duabus maximis, una rosea discali, altera alba apicali.

Phalæna conspicillator, *Cram. Pap. Exot.* ii. 1, pl. 97, f. A, B.
——— ———, *Houttuin, Nat. Hist.* i. xi. 644, pl. 92, f. 8.
Ischyja conspicillatrix, *Hübn. Verz. Schmett.* 265, 2601.
Phyllodes conspicillator, *Guen. Noct.* iii. 122, 1495.

Amboina.

4. PHYLLODES INSPICILLATOR.

Alæ anticæ ellipticæ, fusco-cinereæ, macula media reniformi pallidiore; posticæ nigro-cyaneæ, macula anali magna chermesina alteraque discali alba.

Phyllodes conspicillator, *Boisd. Voy. de l'Astrolabe*, Pt. 1. *Lép.* 246. *Atlas, Ent. Lep.* pl. 5, f. 4.
Phyllodes inspicillator, *Guen. Noct.* iii. 121, 1496.

Amboina. New Guinea.

a. Java. From Mr. Argent's collection.

Genus 5. POTAMOPHORA.

Corpus robustum. Proboscis longiuscula. Palpi ascendentes, validi, pilosi; articulus 3us gracilis, clavatus, 2i dimidio brevior. Antennæ corporis dimidio multo longiores. Abdomen alas posticas non superans. Pedes validi, pilosissimi; tibiæ posticæ calcaribus longis. Alæ anticæ apud costæ apicem convexæ, margine exteriore subrecto sat obliquo. *Mas.*—Antennæ ciliato serratæ. *Fœm.*—Antennæ simplices. Alæ anticæ subhamatæ.

Ischyja, p., *Hübn. Verz. Schmett.* 265.
Potamophora, *Guen. Noct.* ii. 122.

Body stout. Proboscis rather long. Palpi ascending, stout, pilose; third joint slender, clavate, rather less than half the length of the second. Antennæ stout, much more than half the length of the body. Abdomen not extending beyond the hind wings. Legs stout, very densely pilose; hind tibiæ with long spurs. Wings of moderate size. Fore wings convex towards the tip of the costa, almost straight and rather oblique along the exterior border. *Male.* — Antennæ serrated with short bristles. *Female.* — Antennæ simple. Fore wings slightly hooked.

1. Potamophora manlia.

Fusca; alæ anticæ extus pallidiores, fasciis duabus obliquis obscurioribus, 1a recta, 2a undulata; posticæ fascia brevi lata cyanea. Mas.—*Alæ anticæ apud discum interiorem plus minusve atro signatæ.*

Phalæna-Noctua Manlia, *Cram. Pap. Exot.* i. 144, pl. 92, f. A.
Noctua Manlia, *Fabr. Ent. Syst.* iii. 2, 28, 65. *Oliv. Enc. Méth.* viii. 82.
Ischyja Manlia, *Hübn. Verz. Schmett.* 265, 2602.
Potamophora Manlia, *Guen. Noct.* iii. 123.

a—*c*. Silhet. From the Rev. J. Stainforth's collection.
d, *e*. Silhet. From Mr. Sowerby's collection.
f. Hindostan. From Archdeacon Clerk's collection.
g—*i*. Ceylon. Presented by R. Templeton, Esq.
[redacted] Sarawak, Borneo. From Mr. Stevens' collection.
[redacted] Silhet. Presented by J. C. Dale, Esq.
[redacted]eylon. From Mr. Stevens' collection.
[redacted]ong Kong. Presented by Lieut.-Col. Champion.

n. Hong Kong. Presented by J. C. Bowring, Esq.
o. Philippine Isles. Presented by J. C. Bowring, Esq.
p. North Hindostan. From Mr. James', collection.
q. Java. From the East India Company's collection.
r. ——— ? From Mr. Milne's collection.

Genus 6. LYGNIODES.

Corpus sat gracile. Proboscis mediocris. Palpi ascendentes, longiusculi; articulus 2us validus, pilosus; 3us gracilis, compressus, linearis, 2o vix brevior. Antennæ graciles, simplices, corporis dimidio multo longiores. Abdomen cylindricum. Pedes longiusculi, sat graciles; tibiæ posticæ calcaribus longis. Alæ amplæ; anticæ apud costæ apicem subconvexæ, apice vix hamatæ, margine exteriore obliquo subrecto; posticæ abdomen superantes. *Mas.*— Antennæ filiformes. *Fœm.*—Antennæ setaceæ.

Lygniodes, *Guen. Noct.* iii. 123.

Body rather slender. Proboscis moderately long. Palpi ascending, rather long; second joint stout, pilose; third slender, compressed, linear, nearly as long as the second. Antennæ slender, simple, much more than half the length of the body. Abdomen cylindrical. Legs rather long and slender; hind tibiæ with long spurs. Wings ample. Fore wings slightly convex towards the end of the costa, hardly hooked at the tips, nearly straight and moderately oblique along the exterior border. Hind wings extending beyond the abdomen. *Male.* — Antennæ filiform. *Female.* — Antennæ setaceous.

1. Lygniodes endoleuca.

Mas. *Fusca-nigra; abdomen luteum, basi supra nigrum; alæ anticæ albo-ciliatæ; posticæ apud marginem interiorem latæ albæ.* Fœm. — L. hypoleucæ, fœm. *simillima; abdomen apice lateribus ventreque luteis.*

Lygniodes endoleuca, *Guen. Noct.* iii. 124.

Mount Ophir.

a. Java. From Mr. Argent's collection.

2. Lygniodes hypoleuca.

Mas.—*Fusco-nigra, subtus alba; alæ albo ciliatæ.* Fœm.—*Fusca, subtus fusco-albida; alæ subnebulosæ, fascia nigro-fusca; anticæ subhamatæ, fascia interiore angulata nigro-fusca, guttis submarginalibus nigricantibus albido punctatis; posticæ fascia exteriore testacea.*

Lygniodes hypoleuca, *Guen. Noct.* iii. 125, 1500.

a—*d*. Silhet. From Mr. Sowerby's collection.
e, *f*. Silhet. From the Rev. J. Stainforth's collection.
g. Hindostan. From Archdeacon Clerks's collection.

3. Lygniodes reducens.

Mas. *Nigricante-fusca; alæ cyaneo viridique subnitentes; antica subtus cinereo-fuscæ, guttis submarginalibus albis; posticæ extus cinereo-fuscæ lineis transversis undulatis obscure fuscis, subtus albidæ lineis transversis interruptis liturisque submarginalibus furcatis fuscis.*

Male. Blackish brown. Wings with blue and green reflections. Fore wings beneath cinereous-brown, with white submarginal dots. Hind wings exteriorly cinereous-brown, with transverse undulating dark brown lines; under side whitish, with transverse interrupted brown lines, and with forked submarginal brown marks. Length of the body 12 lines; of the wings 32 lines.

a. Ceylon. Presented by R. Templeton, Esq.
b. Ceylon. Presented by E. Layard, Esq.

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